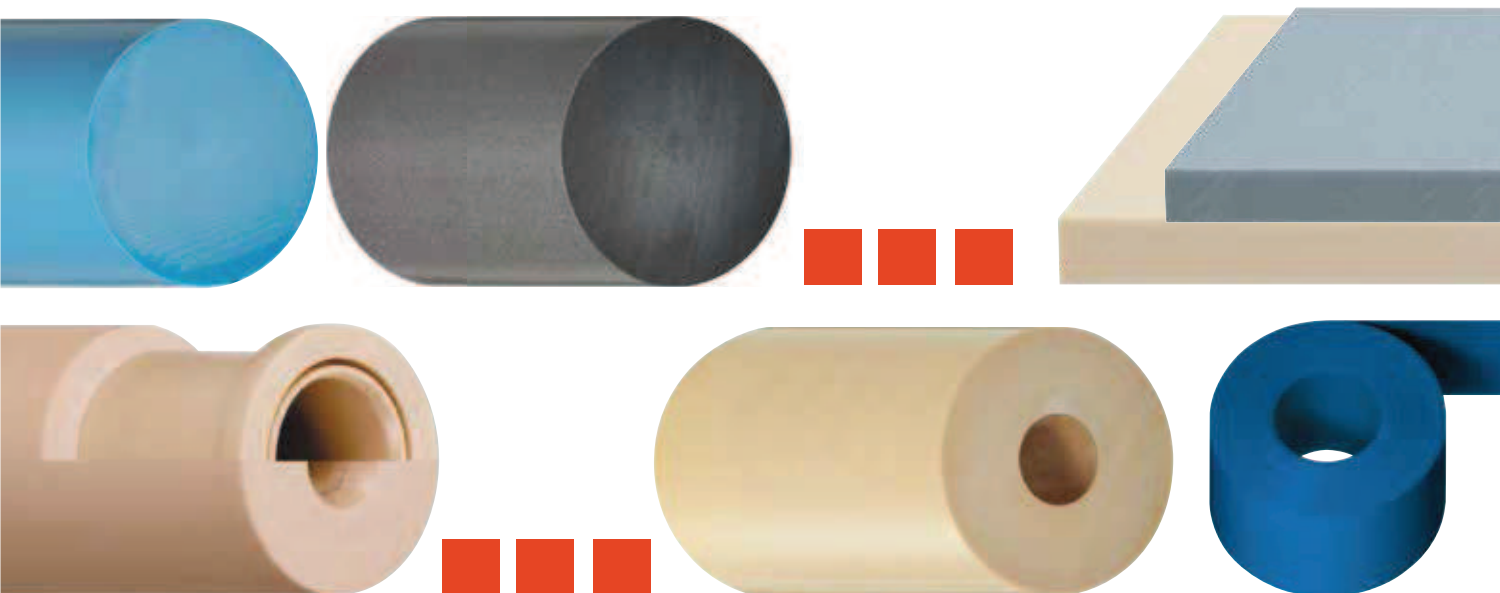


# iglidur®

round bars, tubes,  
plates and tapes



# ...plastics

## iglidur® round bars – All-rounder



**iglidur® M250:**  
Excellent vibration dampening  
▶ Page 618



**iglidur® P210:** Good coefficients of friction and wear on almost every shaft  
▶ Page 618



**iglidur® J4:** Wear resistant and cost-effective  
▶ Page 619



New

**iglidur® GLW:** Low-cost material for high quantities  
▶ Page 619

## iglidur® round bars – Endurance runner



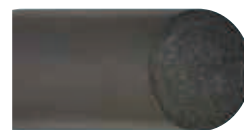
**iglidur® J260:** Ideal for plastic shafts  
▶ Page 622



**iglidur® R:** Low-cost  
▶ Page 622



**iglidur® J200:** Specially for aluminium shafts  
▶ page 623



**iglidur® JB:** Extreme wear resistant in black  
▶ Page 623

## iglidur® round material – For contact with food



**iglidur® A181:** The food all-rounder, compliant with FDA and EC directive 10/2011  
▶ Page 626



**iglidur® A350:** The FDA-compliant endurance runner at high temperatures  
▶ Page 626



**iglidur® A500:** The media and temperature specialist in the food sector  
▶ Page 627



**iglidur® A180:** The food all-rounder  
▶ Page 627

## iglidur® round material – For special applications



**iglidur® F2:** Used to prevent electro-static charges  
▶ Page 629



**iglidur® J2:** Versatile and cost-effective  
▶ Page 630



**iglidur® RW370:** Flame-retardant, according to DIN EN 45545  
▶ Page 630

## iglidur® plates



**iglidur® J:** The versatile endurance runner  
▶ Page 632



**iglidur® JB:** Extreme wear resistant in black  
▶ Page 633



**iglidur® A350:** The FDA-compliant endurance runner at higher temperatures  
▶ Page 633

## iglidur® round bars – Endurance runner



**iglidur® J:**  
The versatile endurance runner  
▶ Page 620



**iglidur® W300:**  
The classic endurance runner up to 30 MPa  
▶ Page 620



**iglidur® J3:**  
Specialist for pulsating loads  
▶ Page 621



**iglidur® J350:** Endurance runner with high dimensional stability at high temperature  
▶ Page 621

## iglidur® round material – For high temperatures



**iglidur® X:**  
The chemical and temperature specialist  
▶ Page 624



**iglidur® HSD350:**  
All-rounder suitable for steam sterilisation  
▶ Page 624



**iglidur® H1 :**  
Endurance runner with high media resistance  
▶ page 625



**iglidur® C500:**  
For extreme ambient conditions  
▶ Page 625

## ... – High media resistance

## iglidur® round material – For contact with food



**iglidur® A160:** "Food" material with high media resistance up to +90°C  
▶ Page 628



**iglidur® UW160:**  
For contact with drinking water  
▶ Page 628



**iglidur® T220:**  
For the tobacco industry  
▶ Page 629

## iglidur® tubes



**iglidur® J:**  
The versatile endurance runner  
▶ Page 631

## Mechanical processing



**speedicut:**  
Special parts fast, machined to drawing  
▶ Page 635

## iglidur® Tribo-Tape



**Material iglidur® A160:**  
FDA-compliant  
▶ Page 640



**Material iglidur® B160:**  
For use in visible areas  
▶ Page 641

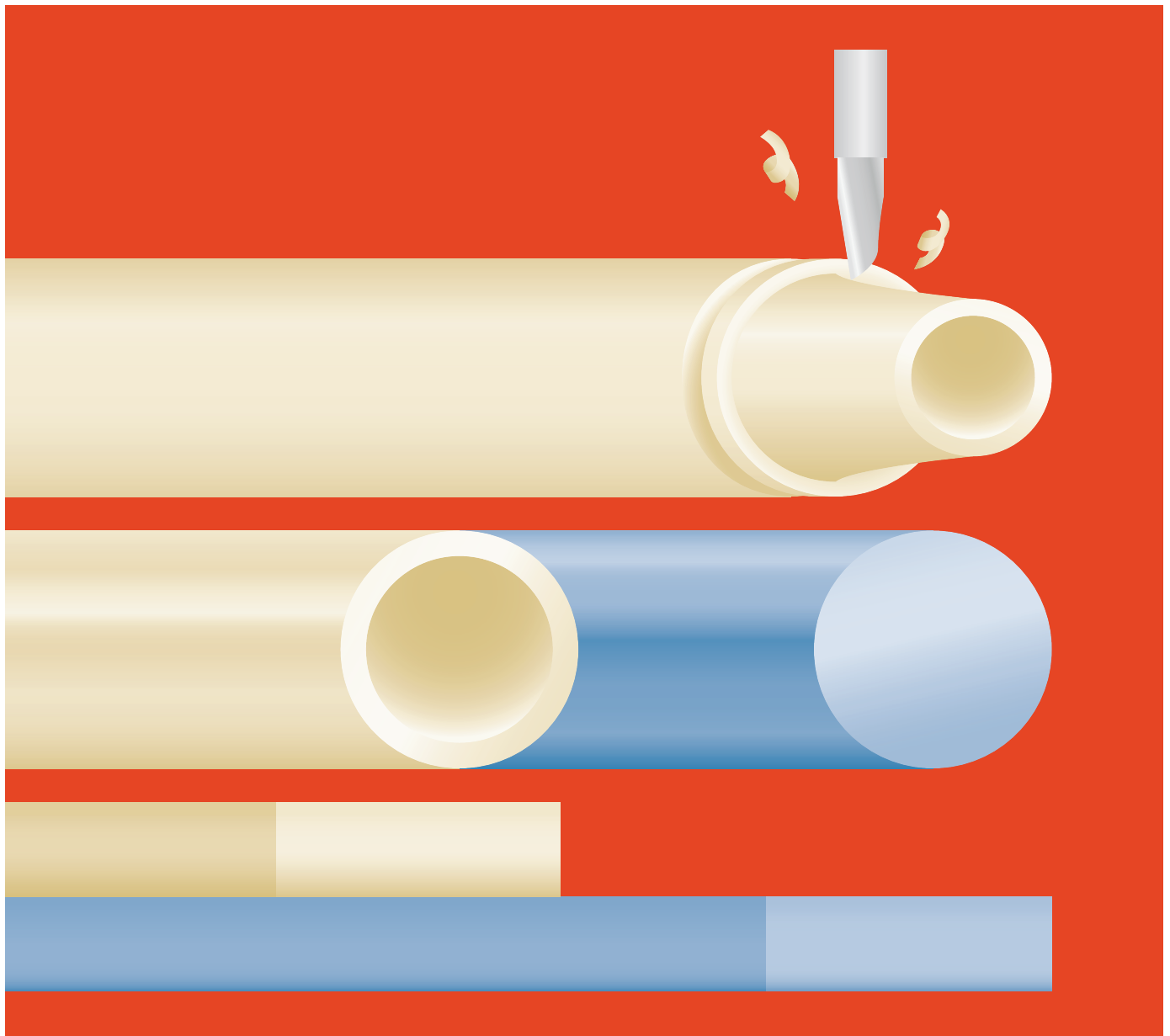


**Material iglidur® W160:**  
Lubrication-free Tribo-Tape in white – hardly any wear  
▶ Page 642



**Material iglidur® V400:**  
Extremely high wear resistance  
▶ Page 643





## iglidur<sup>®</sup> bar stock

**iglidur<sup>®</sup> materials as round bars, tubes and plates**

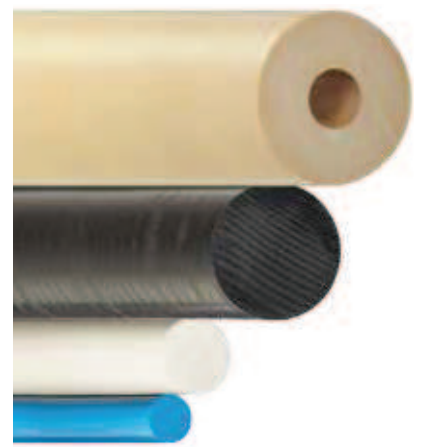
**Fast and cost-effective**

**Cut to required size**

**Mechanical processing from a batch size of 1**

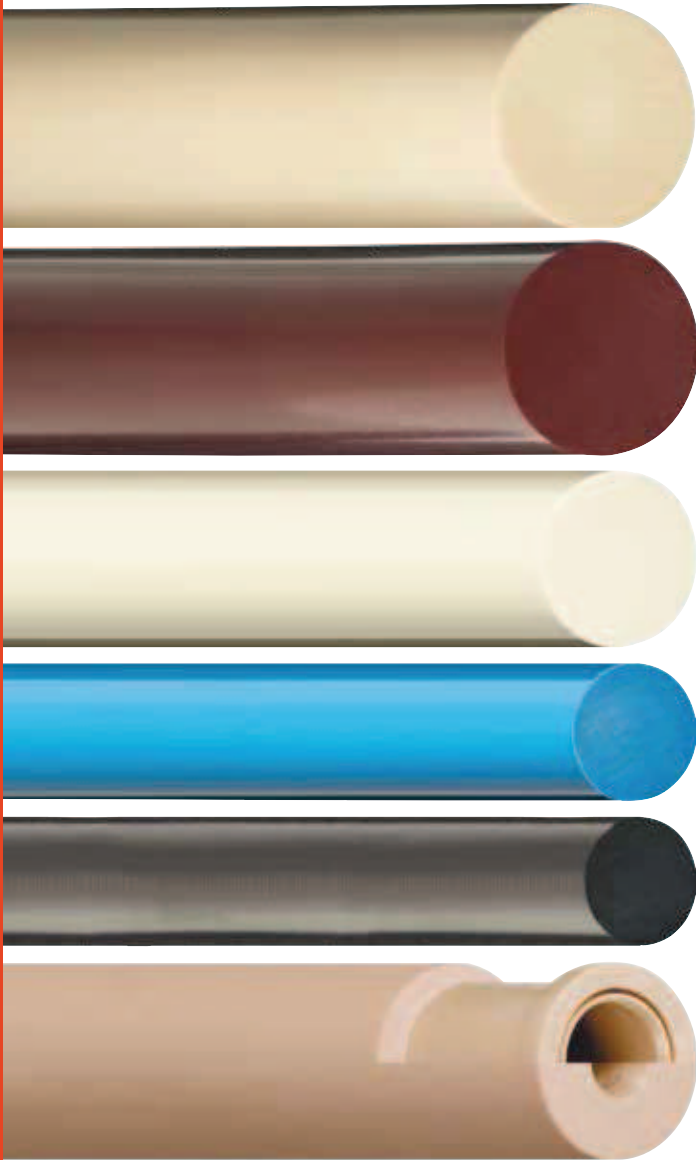
**Maintenance-free and calculable**

**Standard range from stock**



# iglidur® bar stock | Advantages

Round bars and plates for free design



## Bar stocks made from technical plastic: iglidur® in one piece

iglidur® for free design – as plastic bar stock to make your own or as machine finished special components - for prototypes, test components and small quantity needs.

- iglidur® materials as round material from stock or mechanically ready-machined special components and special sizes in 3 to 5 days
- Lubrication and maintenance-free
- Easy to machine – ask for tips
- Tribologically optimised plastic bar stocks as round bars, tubes and plates
- Service life can now also be calculated for machined bearings made from iglidur® plastic bar stocks
- No minimum order value
- From batch size 1



### Available from stock

Detailed information about delivery time online.  
Further materials and dimensions upon request.



igus® constantly expands its range of available materials and dimensions. Check the current stock online ► [www.igus.eu/barstock](http://www.igus.eu/barstock)



### Operation temperatures:

–50°C up to +90°C (standard iglidur® J)  
–100°C up to +250°C (depending on material)



In addition to bar stocks, we will also gladly offer you mechanical processing in line with a drawing.



### 26 materials

Round bars: Ø 10–100 mm  
Plate thickness: ↓ 2–40 mm  
Tubes: up to 150 mm outer Ø



### Service life calculation

► [www.igus.eu/barstock-expert](http://www.igus.eu/barstock-expert)

# iglidur® bar stock | Product overview

## Round bars and plates for free design



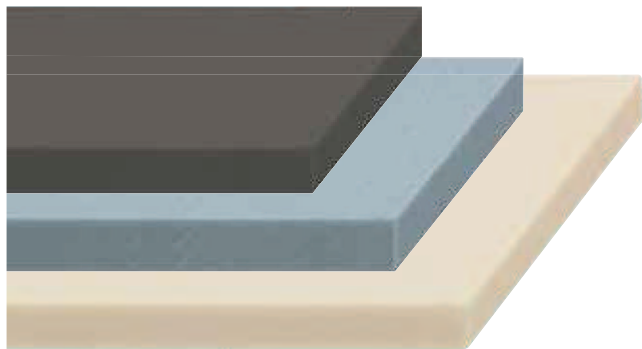
### iglidur® round bars

- Currently 26 iglidur® materials to choose from
  - Outer diameter 10–100 mm
  - Excellent wear rates and coefficients of friction
  - For special dimensions in small quantities
- From page 618



### iglidur® tubes

- Large outer diameters 110–150 mm
  - Low wear against different shaft materials
- From page 631



### iglidur® plates

- Versatile application options
  - Plate thickness 2–40 mm
- From page 632



### speedicut: Machined parts and cutting

- Special parts according to customer request
  - Prototypes available in a matter of days
- From page 635

# iglidur® materials | Selection according to main criteria

iglidur®	M250	P210	J4	GLW	J	W300	J3	J350	J260	R	J200	JB	X	
<b>Descriptive technical specifications</b>														
Wear resistance at +23°C														
Wear resistance at +90°C														
Wear resistance at +150°C														
Low coefficients of friction														
Low moisture absorption														
Wear resistance under water														
High media resistance														
Edge pressure														
Resistant to impacts/shock														
Resistant to dirt														
Price index <sup>141)</sup>														
For high loads (> 60 MPa)				●				●						●
Corrosion free	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Electrically conductive														●
<b>Approvals and standards</b>														
RoHS-II 2011/65/EC	●	●	●	●	●	●	●	●	●	●	●	●	●	●
FDA- and/or EC10/2011 compliant														
Fire class in accordance with UL-94	V-2	HB	F	HB	HB	HB	HB	V-0	V-2	HB	HB	HB	V-0	
<b>Availabilities / variants</b>														
Bar stock, round bar	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Bar stock, tube					●									
Stock plate					●							●		
Machined made from bar stocks	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tribo-Tape														

<sup>141)</sup> Price index



Low price category



Medium price category





























Highest price category



HSD350	H1	C500	A181	A350	A500	A180	A160	UW160	T220	F2	J2	RW370	W160	B160	V400
	●	●		●	●					●		●			
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
			●	●	●	●	●								
V-0	V-0	V-0	HB	V-0	V-1	HB	HB	HB	HB	HB	HB	V-0	HB	HB	V-0
●	●	●	●	●	●	●	●	●	●	●	●	●			
				●											
●	●	●	●	●		●	●	●	●	●	●	●			
							●						●	●	●

# iglidur® bar stocks | Material properties table

iglidur®	Unit	M250	P210	J4	GLW	J	W300	J3	J350	J260	R
<b>General properties</b>											
Density	[g/cm³]	1.14	1.40	1.48	1.36	1.49	1.24	1.42	1.44	1.35	1.39
Colour											
Max. moisture absorption at +23°C/50% r.h.	[% weight]	1.4	0.3	0.3	1.3	0.3	1.3	0.3	0.3	0.2	0.2
Max. water absorption	[% weight]	7.6	0.5	1.3	5.5	1.3	6.5	1.3	1.6	0.4	1.1
Coefficient of sliding friction, dynamic, against steel	[μ]	0.18–0.40	0.07–0.19	0.06–0.20	0.10–0.24	0.06–0.18	0.08–0.23	0.06–0.20	0.10–0.20	0.06–0.20	0.09–0.25
pv value, max. (dry)	[MPa·m/s]	0.12	0.4	0.30	0.30	0.34	0.23	0.5	0.45	0.35	0.27
<b>Mechanical properties</b>											
Flexural modulus	[MPa]	2,700	2,500	2,350	7,700	2,400	3,500	2,700	2,000	2,200	1,950
Flexural strength at +20°C	[MPa]	112	70	70	235	73	125	70	55	60	70
Compressive strength	[MPa]	52	50	55	74	60	61	60	60	50	68
Max. permissible surface pressure at +20°C	[MPa]	20	50	35	80	35	60	45	60	40	23
Shore-D-Hardness		79	75	74	78	74	77	73	80	77	77
<b>Physical and thermal properties</b>											
Max. permissible application temperature, continuous	[°C]	+80	+100	+90	+100	+90	+90	+90	+180	+120	+90
Max. short-term application temperature	[°C]	+170	+160	+120	+160	+120	+180	+120	+220	+140	+110
Min. long-term application temperature	[°C]	-40	-40	-50	-40	-50	-40	-50	-100	-100	-50
Thermal conductivity	[W/m·K]	0.24	0.25	0.25	0.24	0.25	0.24	0.25	0.24	0.24	0.25
Coefficient of thermal expansion at +23°C	[K <sup>-1</sup> ·10 <sup>-5</sup> ]	10	8	10	17	10	9	13	7	13	11
<b>Electrical properties</b>											
Specific contact resistance	[Ωcm]	> 10 <sup>13</sup>	> 10 <sup>12</sup>	> 10 <sup>13</sup>	> 10 <sup>11</sup>	> 10 <sup>13</sup>	> 10 <sup>13</sup>	> 10 <sup>12</sup>	> 10 <sup>13</sup>	> 10 <sup>12</sup>	> 10 <sup>12</sup>
Surface resistance	[Ω]	> 10 <sup>11</sup>	> 10 <sup>11</sup>	> 10 <sup>13</sup>	> 10 <sup>11</sup>	> 10 <sup>12</sup>	> 10 <sup>12</sup>	> 10 <sup>12</sup>	> 10 <sup>10</sup>	> 10 <sup>10</sup>	> 10 <sup>12</sup>
Page		618	618	619	619	620	620	621	621	622	622

J200	JB	X	HSD350	H1	C500	A181	A350	A500	A180	A160	UW160	T220	F2	J2	RW370
1.72	1.49	1.44	1.39	1.53	1.37	1.38	1.42	1.28	1.46	1.00	1.04	1.28	1.52	1.44	1.34
															
0.2	0.3	0.1	0.6	0.1	0.3	0.2	0.6	0.3	0.2	0.1	0.1	0.3	0.2	0.2	0.25
0.7	1.3	0.5	1.2	0.3	0.5	1.3	1.9	0.5	1.3	0.1	0.1	0.5	0.4	1.3	1.2
0.11– 0.17	0.06– 0.18	0.09– 0.27	0.07– 0.23	0.06– 0.20	0.07– 0.19	0.10– 0.21	0.10– 0.20	0.26– 0.41	0.05– 0.23	0.09– 0.19	0.17– 0.31	0.20– 0.32	0.16– 0.22	0.11– 0.27	0.13– 0.17
0.3	0.34	1.32	0.3	0.80	0.7	0.31	0.40	0.28	0.31	0.25	0.22	0.28	0.31	0.23	1.2
2,800	2,400	8,100	2,150	2,800	3,000	1,913	2,000	3,600	2,300	1,151	1,349	1,800	7,418	3,605	2,997
58	73	170	67	55	100	48	110	140	88	19	22	65	93	101	100
43	60	100	44	78	110	60	78	118	78	37	32	55	61	77	129
23	35	150	30	80	110	31	60	120	28	15	15	40	47	46	75
70	74	85	77	77	81	76	76	83	76	60	60	76	72	n.s.	80
+90	+90	+250	+180	+200	+250	+90	+180	+250	+90	+90	+90	+100	+120	+90	+170
+120	+120	+315	+210	+240	+300	+110	+210	+300	+110	+100	+100	+160	+165	+110	+190
-50	-50	-100	-40	-40	-100	-50	-100	-100	-50	-50	-50	-40	-40	-50	-50
0.24	0.25	0.60	0.24	0.24	0.24	0.25	0.24	0.24	0.25	0.30	0.50	0.24	0.61	0.25	n.s.
8	10	5	7	6	9	11	8	9	11	11	18	11	5	7	n.s.
$> 10^8$	$> 10^{13}$	$< 10^5$	$> 10^{13}$	$> 10^{12}$	$> 10^{14}$	$> 10^{12}$	$> 10^{11}$	$> 10^{14}$	$> 10^{12}$	$> 10^{12}$	$> 10^{12}$	$> 10^{10}$	$< 10^9$	$> 10^{13}$	$> 10^{12}$
$> 10^8$	$> 10^{12}$	$< 10^3$	$> 10^{14}$	$> 10^{11}$	$> 10^{13}$	$> 10^{12}$	$> 10^{11}$	$> 10^{13}$	$> 10^{11}$	$> 10^{12}$	$> 10^{12}$	$> 10^{10}$	$< 10^9$	$> 10^{12}$	$> 10^{12}$
623	623	624	624	625	625	626	626	627	627	628	628	629	629	630	630

# iglidur® round bars | Product range

Excellent vibration dampening – iglidur® M250



Order key for round bars

Type	Dimensions [mm]
------	-----------------

## SF R M250-30 00-500

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>
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<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

### Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRM250-1000-□ <sup>16)</sup>
15	100–1,000	SFRM250-1500-□ <sup>16)</sup>
20	100–1,000	SFRM250-2000-□ <sup>16)</sup>
25	100–1,000	SFRM250-2500-□ <sup>16)</sup>
30	100–1,000	SFRM250-3000-□ <sup>16)</sup>
35	100–1,000	SFRM250-3500-□ <sup>16)</sup>
40	100–1,000	SFRM250-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRM250-4500-□ <sup>16)</sup>
50	100–1,000	SFRM250-5000-□ <sup>16)</sup>
55	100–1,000	SFRM250-5500-□ <sup>16)</sup>
60	100–1,000	SFRM250-6000-□ <sup>16)</sup>
65	100–1,000	SFRM250-6500-□ <sup>16)</sup>
80	100–1,000	SFRM250-8000-□ <sup>16)</sup>
100	100–1,000	SFRM250-10000-□ <sup>16)</sup>

Good coefficients of friction and wear on almost every shaft – iglidur® P210



Order key for round bars

Type	Dimensions [mm]
------	-----------------

## SF R P210-30 00-500

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>
-----------	-------	-------------------	---------	---------	-----------------------

<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

### Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRP210-1000-□ <sup>16)</sup>
15	100–1,000	SFRP210-1500-□ <sup>16)</sup>
20	100–1,000	SFRP210-2000-□ <sup>16)</sup>
25	100–1,000	SFRP210-2500-□ <sup>16)</sup>
30	100–1,000	SFRP210-3000-□ <sup>16)</sup>
35	100–1,000	SFRP210-3500-□ <sup>16)</sup>
40	100–1,000	SFRP210-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRP210-4500-□ <sup>16)</sup>
50	100–1,000	SFRP210-5000-□ <sup>16)</sup>
55	100–1,000	SFRP210-5500-□ <sup>16)</sup>
60	100–1,000	SFRP210-6000-□ <sup>16)</sup>
65	100–1,000	SFRP210-6500-□ <sup>16)</sup>
80	100–1,000	SFRP210-8000-□ <sup>16)</sup>
100	100–1,000	SFRP210-10000-□ <sup>16)</sup>



Available from stock

Produced to special order

# iglidur® round bars | Product range

iglidur®  
bar stock

Wear resistant and cost-effective – iglidur® J4



Order key for round bars

Type	Dimensions [mm]
------	-----------------

SF R J4 - 30 00 - 500

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>
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<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRJ4-1000-□ <sup>16)</sup>
15	100–1,000	SFRJ4-1500-□ <sup>16)</sup>
20	100–1,000	SFRJ4-2000-□ <sup>16)</sup>
25	100–1,000	SFRJ4-2500-□ <sup>16)</sup>
30	100–1,000	SFRJ4-3000-□ <sup>16)</sup>
35	100–1,000	SFRJ4-3500-□ <sup>16)</sup>
40	100–1,000	SFRJ4-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRJ4-4500-□ <sup>16)</sup>
50	100–1,000	SFRJ4-5000-□ <sup>16)</sup>
55	100–1,000	SFRJ4-5500-□ <sup>16)</sup>
60	100–1,000	SFRJ4-6000-□ <sup>16)</sup>
65	100–1,000	SFRJ4-6500-□ <sup>16)</sup>
80	100–1,000	SFRJ4-8000-□ <sup>16)</sup>
100	100–1,000	SFRJ4-10000-□ <sup>16)</sup>

## Low-cost material for high quantities – iglidur® GLW



Order key for round bars

Type	Dimensions [mm]
------	-----------------

SF R GLW - 30 00 - 500

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>
-----------	-------	-------------------	---------	---------	-----------------------

<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRGLW-1000-□ <sup>16)</sup>
15	100–1,000	SFRGLW-1500-□ <sup>16)</sup>
20	100–1,000	SFRGLW-2000-□ <sup>16)</sup>
25	100–1,000	SFRGLW-2500-□ <sup>16)</sup>
30	100–1,000	SFRGLW-3000-□ <sup>16)</sup>
35	100–1,000	SFRGLW-3500-□ <sup>16)</sup>
40	100–1,000	SFRGLW-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRGLW-4500-□ <sup>16)</sup>
50	100–1,000	SFRGLW-5000-□ <sup>16)</sup>
55	100–1,000	SFRGLW-5500-□ <sup>16)</sup>
60	100–1,000	SFRGLW-6000-□ <sup>16)</sup>
65	100–1,000	SFRGLW-6500-□ <sup>16)</sup>
80	100–1,000	SFRGLW-8000-□ <sup>16)</sup>
100	100–1,000	SFRGLW-10000-□ <sup>16)</sup>



igus® constantly expands its range of available materials and dimensions. Please contact us in case the required diameter is not available.

# iglidur® round bars | Product range

The versatile endurance runner – iglidur® J

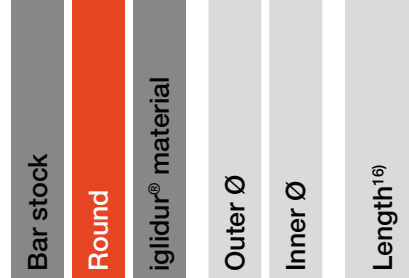


Order key for round bars

Type

Dimensions [mm]

**SF R J - 30 00 - 500**



<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRJ-1000-□ <sup>16)</sup>
15	100–1,000	SFRJ-1500-□ <sup>16)</sup>
20	100–1,000	SFRJ-2000-□ <sup>16)</sup>
25	100–1,000	SFRJ-2500-□ <sup>16)</sup>
30	100–1,000	SFRJ-3000-□ <sup>16)</sup>
35	100–1,000	SFRJ-3500-□ <sup>16)</sup>
40	100–1,000	SFRJ-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRJ-4500-□ <sup>16)</sup>
50	100–1,000	SFRJ-5000-□ <sup>16)</sup>
55	100–1,000	SFRJ-5500-□ <sup>16)</sup>
60	100–1,000	SFRJ-6000-□ <sup>16)</sup>
65	100–1,000	SFRJ-6500-□ <sup>16)</sup>
80	100–1,000	SFRJ-8000-□ <sup>16)</sup>
100	100–1,000	SFRJ-10000-□ <sup>16)</sup>

## The classic endurance runner up to 30 MPa – iglidur® W300

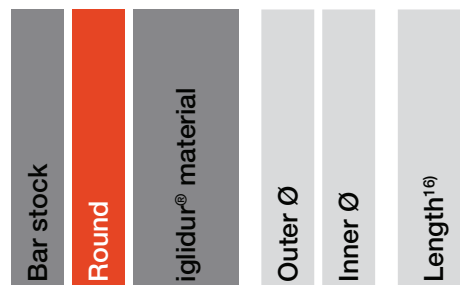


Order key for round bars

Type

Dimensions [mm]

**SF R W300-30 00 - 500**



<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRW-1000-□ <sup>16)</sup>
15	100–1,000	SFRW-1500-□ <sup>16)</sup>
20	100–1,000	SFRW-2000-□ <sup>16)</sup>
25	100–1,000	SFRW-2500-□ <sup>16)</sup>
30	100–1,000	SFRW-3000-□ <sup>16)</sup>
35	100–1,000	SFRW-3500-□ <sup>16)</sup>
40	100–1,000	SFRW-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRW-4500-□ <sup>16)</sup>
50	100–1,000	SFRW-5000-□ <sup>16)</sup>
55	100–1,000	SFRW-5500-□ <sup>16)</sup>
60	100–1,000	SFRW-6000-□ <sup>16)</sup>
65	100–1,000	SFRW-6500-□ <sup>16)</sup>
80	100–1,000	SFRW-8000-□ <sup>16)</sup>
100	100–1,000	SFRW-10000-□ <sup>16)</sup>



Available from stock

Produced to special order

# iglidur® round bars | Product range

iglidur®  
bar stock

Specialist for pulsating loads – iglidur® J3



 Order key for round bars

Type	Dimensions [mm]
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**SF R J3 - 30 00 - 500**

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>	<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRJ3-1000-□ <sup>16)</sup>
15	100–1,000	SFRJ3-1500-□ <sup>16)</sup>
20	100–1,000	SFRJ3-2000-□ <sup>16)</sup>
25	100–1,000	SFRJ3-2500-□ <sup>16)</sup>
30	100–1,000	SFRJ3-3000-□ <sup>16)</sup>
35	100–1,000	SFRJ3-3500-□ <sup>16)</sup>
40	100–1,000	SFRJ3-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRJ3-4500-□ <sup>16)</sup>
50	100–1,000	SFRJ3-5000-□ <sup>16)</sup>
55	100–1,000	SFRJ3-5500-□ <sup>16)</sup>
60	100–1,000	SFRJ3-6000-□ <sup>16)</sup>
65	100–1,000	SFRJ3-6500-□ <sup>16)</sup>
80	100–1,000	SFRJ3-8000-□ <sup>16)</sup>
100	100–1,000	SFRJ3-10000-□ <sup>16)</sup>

Endurance runner with high dimensional stability at high temperature – iglidur® J350



 Order key for round bars

Type	Dimensions [mm]
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**SF R J350 - 30 00 - 500**

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>	<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRJ350-1000-□ <sup>16)</sup>
15	100–1,000	SFRJ350-1500-□ <sup>16)</sup>
20	100–1,000	SFRJ350-2000-□ <sup>16)</sup>
25	100–1,000	SFRJ350-2500-□ <sup>16)</sup>
30	100–1,000	SFRJ350-3000-□ <sup>16)</sup>
35	100–1,000	SFRJ350-3500-□ <sup>16)</sup>
40	100–1,000	SFRJ350-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRJ350-4500-□ <sup>16)</sup>
50	100–1,000	SFRJ350-5000-□ <sup>16)</sup>
55	100–1,000	SFRJ350-5500-□ <sup>16)</sup>
60	100–1,000	SFRJ350-6000-□ <sup>16)</sup>
65	100–1,000	SFRJ350-6500-□ <sup>16)</sup>
80	100–1,000	SFRJ350-8000-□ <sup>16)</sup>
100	100–1,000	SFRJ350-10000-□ <sup>16)</sup>

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# iglidur® round bars | Product range

Ideal for plastic shafts – iglidur® J260



Order key for round bars

Type

Dimensions [mm]

**SF R J260 -30 00 -500**

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>
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<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRJ260-1000-□ <sup>16)</sup>
15	100–1,000	SFRJ260-1500-□ <sup>16)</sup>
20	100–1,000	SFRJ260-2000-□ <sup>16)</sup>
25	100–1,000	SFRJ260-2500-□ <sup>16)</sup>
30	100–1,000	SFRJ260-3000-□ <sup>16)</sup>
35	100–1,000	SFRJ260-3500-□ <sup>16)</sup>
40	100–1,000	SFRJ260-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRJ260-4500-□ <sup>16)</sup>
50	100–1,000	SFRJ260-5000-□ <sup>16)</sup>
55	100–1,000	SFRJ260-5500-□ <sup>16)</sup>
60	100–1,000	SFRJ260-6000-□ <sup>16)</sup>
65	100–1,000	SFRJ260-6500-□ <sup>16)</sup>
80	100–1,000	SFRJ260-8000-□ <sup>16)</sup>
100	100–1,000	SFRJ260-10000-□ <sup>16)</sup>

## Low-cost – iglidur® R



Order key for round bars

Type

Dimensions [mm]

**SF R R -30 00 -500**

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>
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<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRR-1000-□ <sup>16)</sup>
15	100–1,000	SFRR-1500-□ <sup>16)</sup>
20	100–1,000	SFRR-2000-□ <sup>16)</sup>
25	100–1,000	SFRR-2500-□ <sup>16)</sup>
30	100–1,000	SFRR-3000-□ <sup>16)</sup>
35	100–1,000	SFRR-3500-□ <sup>16)</sup>
40	100–1,000	SFRR-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRR-4500-□ <sup>16)</sup>
50	100–1,000	SFRR-5000-□ <sup>16)</sup>
55	100–1,000	SFRR-5500-□ <sup>16)</sup>
60	100–1,000	SFRR-6000-□ <sup>16)</sup>
65	100–1,000	SFRR-6500-□ <sup>16)</sup>
80	100–1,000	SFRR-8000-□ <sup>16)</sup>
100	100–1,000	SFRR-10000-□ <sup>16)</sup>



Available from stock

Produced to special order



# iglidur® round bars | Product range

Specially for aluminium shafts – iglidur® J200

iglidur®  
bar stock



 Order key for round bars

Type Dimensions [mm]

SF R J200 -30 00-500

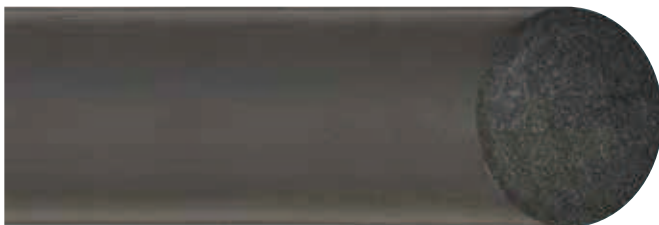
Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>	<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRJ200-1000-□ <sup>16)</sup>
15	100–1,000	SFRJ200-1500-□ <sup>16)</sup>
20	100–1,000	SFRJ200-2000-□ <sup>16)</sup>
25	100–1,000	SFRJ200-2500-□ <sup>16)</sup>
30	100–1,000	SFRJ200-3000-□ <sup>16)</sup>
35	100–1,000	SFRJ200-3500-□ <sup>16)</sup>
40	100–1,000	SFRJ200-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRJ200-4500-□ <sup>16)</sup>
50	100–1,000	SFRJ200-5000-□ <sup>16)</sup>
55	100–1,000	SFRJ200-5500-□ <sup>16)</sup>
60	100–1,000	SFRJ200-6000-□ <sup>16)</sup>
65	100–1,000	SFRJ200-6500-□ <sup>16)</sup>
80	100–1,000	SFRJ200-8000-□ <sup>16)</sup>
100	100–1,000	SFRJ200-10000-□ <sup>16)</sup>

## Extreme wear resistant in black – iglidur® JB



 Order key for round bars

Type Dimensions [mm]


SF R JB-30 00-500

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>	<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRJB-1000-□ <sup>16)</sup>
15	100–1,000	SFRJB-1500-□ <sup>16)</sup>
20	100–1,000	SFRJB-2000-□ <sup>16)</sup>
25	100–1,000	SFRJB-2500-□ <sup>16)</sup>
30	100–1,000	SFRJB-3000-□ <sup>16)</sup>
35	100–1,000	SFRJB-3500-□ <sup>16)</sup>
40	100–1,000	SFRJB-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRJB-4500-□ <sup>16)</sup>
50	100–1,000	SFRJB-5000-□ <sup>16)</sup>
55	100–1,000	SFRJB-5500-□ <sup>16)</sup>
60	100–1,000	SFRJB-6000-□ <sup>16)</sup>
65	100–1,000	SFRJB-6500-□ <sup>16)</sup>
80	100–1,000	SFRJB-8000-□ <sup>16)</sup>
100	100–1,000	SFRJB-10000-□ <sup>16)</sup>

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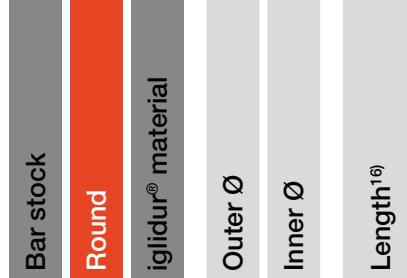


Order key for round bars

Type

Dimensions [mm]

**SF R X -30 00-500**



<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRX-1000-□ <sup>16)</sup>
15	100–1,000	SFRX-1500-□ <sup>16)</sup>
20	100–1,000	SFRX-2000-□ <sup>16)</sup>
25	100–1,000	SFRX-2500-□ <sup>16)</sup>
30	100–1,000	SFRX-3000-□ <sup>16)</sup>
35	100–1,000	SFRX-3500-□ <sup>16)</sup>
40	100–1,000	SFRX-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRX-4500-□ <sup>16)</sup>
50	100–1,000	SFRX-5000-□ <sup>16)</sup>
55	100–1,000	SFRX-5500-□ <sup>16)</sup>
60	100–1,000	SFRX-6000-□ <sup>16)</sup>
65	100–1,000	SFRX-6500-□ <sup>16)</sup>
80	100–1,000	SFRX-8000-□ <sup>16)</sup>
100	100–1,000	SFRX-10000-□ <sup>16)</sup>

## All-rounder suitable for steam sterilisation – iglidur® HSD350

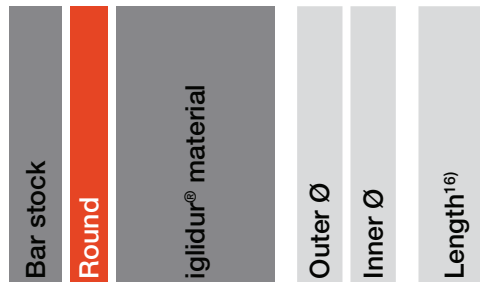


Order key for round bars

Type

Dimensions [mm]

**SF R HSD350-30 00-500**



<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRHSD350-1000-□ <sup>16)</sup>
15	100–1,000	SFRHSD350-1500-□ <sup>16)</sup>
20	100–1,000	SFRHSD350-2000-□ <sup>16)</sup>
25	100–1,000	SFRHSD350-2500-□ <sup>16)</sup>
30	100–1,000	SFRHSD350-3000-□ <sup>16)</sup>
35	100–1,000	SFRHSD350-3500-□ <sup>16)</sup>
40	100–1,000	SFRHSD350-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRHSD350-4500-□ <sup>16)</sup>
50	100–1,000	SFRHSD350-5000-□ <sup>16)</sup>
55	100–1,000	SFRHSD350-5500-□ <sup>16)</sup>
60	100–1,000	SFRHSD350-6000-□ <sup>16)</sup>
65	100–1,000	SFRHSD350-6500-□ <sup>16)</sup>
80	100–1,000	SFRHSD350-8000-□ <sup>16)</sup>
100	100–1,000	SFRHSD350-10000-□ <sup>16)</sup>



Available from stock

Produced to special order

# iglidur® round bars | Product range

iglidur®  
bar stock

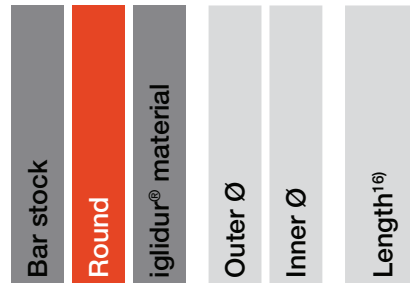
Endurance runner with high media resistance – iglidur® H1



 Order key for round bars

Type Dimensions [mm]

SF R H1-30 00-500



¹⁶) Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRH1-1000-□ <sup>16)</sup>
15	100–1,000	SFRH1-1500-□ <sup>16)</sup>
20	100–1,000	SFRH1-2000-□ <sup>16)</sup>
25	100–1,000	SFRH1-2500-□ <sup>16)</sup>
30	100–1,000	SFRH1-3000-□ <sup>16)</sup>
35	100–1,000	SFRH1-3500-□ <sup>16)</sup>
40	100–1,000	SFRH1-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRH1-4500-□ <sup>16)</sup>
50	100–1,000	SFRH1-5000-□ <sup>16)</sup>
55	100–1,000	SFRH1-5500-□ <sup>16)</sup>
60	100–1,000	SFRH1-6000-□ <sup>16)</sup>
65	100–1,000	SFRH1-6500-□ <sup>16)</sup>
80	100–1,000	SFRH1-8000-□ <sup>16)</sup>
100	100–1,000	SFRH1-10000-□ <sup>16)</sup>

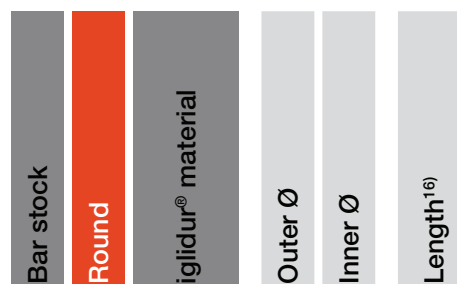
For extreme ambient conditions – iglidur® C500



 Order key for round bars

Type Dimensions [mm]

SF R C500-30 00-500




¹⁶) Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRC500-1000-□ <sup>16)</sup>
15	100–1,000	SFRC500-1500-□ <sup>16)</sup>
20	100–1,000	SFRC500-2000-□ <sup>16)</sup>
25	100–1,000	SFRC500-2500-□ <sup>16)</sup>
30	100–1,000	SFRC500-3000-□ <sup>16)</sup>
35	100–1,000	SFRC500-3500-□ <sup>16)</sup>
40	100–1,000	SFRC500-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRC500-4500-□ <sup>16)</sup>
50	100–1,000	SFRC500-5000-□ <sup>16)</sup>
55	100–1,000	SFRC500-5500-□ <sup>16)</sup>
60	100–1,000	SFRC500-6000-□ <sup>16)</sup>
65	100–1,000	SFRC500-6500-□ <sup>16)</sup>
80	100–1,000	SFRC500-8000-□ <sup>16)</sup>
100	100–1,000	SFRC500-10000-□ <sup>16)</sup>

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# iglidur® round bars | Product range

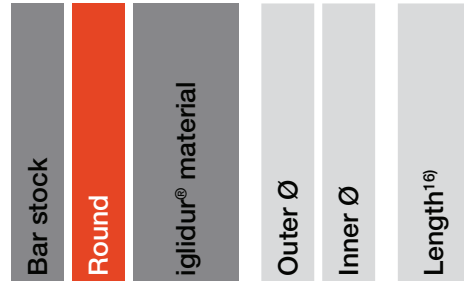
The food all-rounder, compliant with FDA-compliant and EC directive 10/2011 – iglidur® A181



 Order key for round bars

Type Dimensions [mm]

## SF R A181-30 00-500



¹⁶) Length in mm from 100 to 1,000, graduated in 100 mm steps

### Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRA181-1000-□ <sup>16)</sup>
15	100–1,000	SFRA181-1500-□ <sup>16)</sup>
20	100–1,000	SFRA181-2000-□ <sup>16)</sup>
25	100–1,000	SFRA181-2500-□ <sup>16)</sup>
30	100–1,000	SFRA181-3000-□ <sup>16)</sup>
35	100–1,000	SFRA181-3500-□ <sup>16)</sup>
40	100–1,000	SFRA181-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRA181-4500-□ <sup>16)</sup>
50	100–1,000	SFRA181-5000-□ <sup>16)</sup>
55	100–1,000	SFRA181-5500-□ <sup>16)</sup>
60	100–1,000	SFRA181-6000-□ <sup>16)</sup>
65	100–1,000	SFRA181-6500-□ <sup>16)</sup>
80	100–1,000	SFRA181-8000-□ <sup>16)</sup>
100	100–1,000	SFRA181-10000-□ <sup>16)</sup>

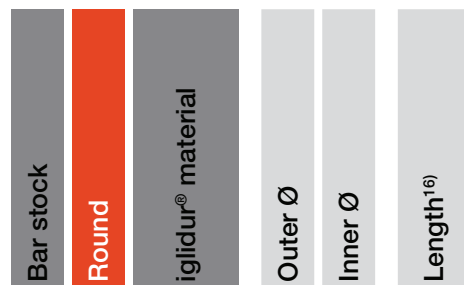
## The FDA-compliant endurance runner at high temperatures – iglidur® A350



 Order key for round bars

Type Dimensions [mm]

## SF R A350-30 00-500



¹⁶) Length in mm from 100 to 1,000, graduated in 100 mm steps

### Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRA350-1000-□ <sup>16)</sup>
15	100–1,000	SFRA350-1500-□ <sup>16)</sup>
20	100–1,000	SFRA350-2000-□ <sup>16)</sup>
25	100–1,000	SFRA350-2500-□ <sup>16)</sup>
30	100–1,000	SFRA350-3000-□ <sup>16)</sup>
35	100–1,000	SFRA350-3500-□ <sup>16)</sup>
40	100–1,000	SFRA350-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRA350-4500-□ <sup>16)</sup>
50	100–1,000	SFRA350-5000-□ <sup>16)</sup>
55	100–1,000	SFRA350-5500-□ <sup>16)</sup>
60	100–1,000	SFRA350-6000-□ <sup>16)</sup>
65	100–1,000	SFRA350-6500-□ <sup>16)</sup>
80	100–1,000	SFRA350-8000-□ <sup>16)</sup>
100	100–1,000	SFRA350-10000-□ <sup>16)</sup>



Available from stock

Produced to special order

# iglidur® round bars | Product range

iglidur®  
bar stock

The media and temperature specialist in the food sector – iglidur® A500



 Order key for round bars

Type	Dimensions [mm]
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## SF R A500-30 00-500

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>	<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

### Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRA500-1000-□ <sup>16)</sup>
15	100–1,000	SFRA500-1500-□ <sup>16)</sup>
20	100–1,000	SFRA500-2000-□ <sup>16)</sup>
25	100–1,000	SFRA500-2500-□ <sup>16)</sup>
30	100–1,000	SFRA500-3000-□ <sup>16)</sup>
35	100–1,000	SFRA500-3500-□ <sup>16)</sup>
40	100–1,000	SFRA500-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRA500-4500-□ <sup>16)</sup>
50	100–1,000	SFRA500-5000-□ <sup>16)</sup>
55	100–1,000	SFRA500-5500-□ <sup>16)</sup>
60	100–1,000	SFRA500-6000-□ <sup>16)</sup>
65	100–1,000	SFRA500-6500-□ <sup>16)</sup>
80	100–1,000	SFRA500-8000-□ <sup>16)</sup>
100	100–1,000	SFRA500-10000-□ <sup>16)</sup>

## The food all-rounder – iglidur® A180



 Order key for round bars

Type	Dimensions [mm]
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## SF R A180-30 00-500

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>	<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

### Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRA180-1000-□ <sup>16)</sup>
15	100–1,000	SFRA180-1500-□ <sup>16)</sup>
20	100–1,000	SFRA180-2000-□ <sup>16)</sup>
25	100–1,000	SFRA180-2500-□ <sup>16)</sup>
30	100–1,000	SFRA180-3000-□ <sup>16)</sup>
35	100–1,000	SFRA180-3500-□ <sup>16)</sup>
40	100–1,000	SFRA180-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRA180-4500-□ <sup>16)</sup>
50	100–1,000	SFRA180-5000-□ <sup>16)</sup>
55	100–1,000	SFRA180-5500-□ <sup>16)</sup>
60	100–1,000	SFRA180-6000-□ <sup>16)</sup>
65	100–1,000	SFRA180-6500-□ <sup>16)</sup>
80	100–1,000	SFRA180-8000-□ <sup>16)</sup>
100	100–1,000	SFRA180-10000-□ <sup>16)</sup>

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# iglidur® round bars | Product range

"Food" material with high media resistance up to +90°C – iglidur® A160



Order key for round bars

Type

Dimensions [mm]

## SF R A160-30 00-500

Bar stock

Round

iglidur® material

Outer Ø

Inner Ø

Length<sup>16)</sup>

<sup>16)</sup> Length  
in mm from  
100 to 1,000,  
graduated  
in 100 mm  
steps

### Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRA160-1000-□ <sup>16)</sup>
15	100–1,000	SFRA160-1500-□ <sup>16)</sup>
20	100–1,000	SFRA160-2000-□ <sup>16)</sup>
25	100–1,000	SFRA160-2500-□ <sup>16)</sup>
30	100–1,000	SFRA160-3000-□ <sup>16)</sup>
35	100–1,000	SFRA160-3500-□ <sup>16)</sup>
40	100–1,000	SFRA160-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRA160-4500-□ <sup>16)</sup>
50	100–1,000	SFRA160-5000-□ <sup>16)</sup>
55	100–1,000	SFRA160-5500-□ <sup>16)</sup>
60	100–1,000	SFRA160-6000-□ <sup>16)</sup>
65	100–1,000	SFRA160-6500-□ <sup>16)</sup>
80	100–1,000	SFRA160-8000-□ <sup>16)</sup>
100	100–1,000	SFRA160-10000-□ <sup>16)</sup>

## For contact with drinking water – iglidur® UW160



Order key for round bars

Type

Dimensions [mm]

## SF R UW160-30 00-500

Bar stock

Round

iglidur® material

Outer Ø

Inner Ø

Length<sup>16)</sup>

<sup>16)</sup> Length  
in mm from  
100 to 1,000,  
graduated  
in 100 mm  
steps

### Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRUW160-1000-□ <sup>16)</sup>
15	100–1,000	SFRUW160-1500-□ <sup>16)</sup>
20	100–1,000	SFRUW160-2000-□ <sup>16)</sup>
25	100–1,000	SFRUW160-2500-□ <sup>16)</sup>
30	100–1,000	SFRUW160-3000-□ <sup>16)</sup>
35	100–1,000	SFRUW160-3500-□ <sup>16)</sup>
40	100–1,000	SFRUW160-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRUW160-4500-□ <sup>16)</sup>
50	100–1,000	SFRUW160-5000-□ <sup>16)</sup>
55	100–1,000	SFRUW160-5500-□ <sup>16)</sup>
60	100–1,000	SFRUW160-6000-□ <sup>16)</sup>
65	100–1,000	SFRUW160-6500-□ <sup>16)</sup>
80	100–1,000	SFRUW160-8000-□ <sup>16)</sup>
100	100–1,000	SFRUW160-10000-□ <sup>16)</sup>



Available from stock

Produced to special order

# iglidur® round bars | Product range

iglidur®  
bar stock

For the tobacco industry – iglidur® T220



 Order key for round bars

Type	Dimensions [mm]
------	-----------------

**SF R T220-30 00-500**

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>	<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRT220-1000-□ <sup>16)</sup>
15	100–1,000	SFRT220-1500-□ <sup>16)</sup>
20	100–1,000	SFRT220-2000-□ <sup>16)</sup>
25	100–1,000	SFRT220-2500-□ <sup>16)</sup>
30	100–1,000	SFRT220-3000-□ <sup>16)</sup>
35	100–1,000	SFRT220-3500-□ <sup>16)</sup>
40	100–1,000	SFRT220-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRT220-4500-□ <sup>16)</sup>
50	100–1,000	SFRT220-5000-□ <sup>16)</sup>
55	100–1,000	SFRT220-5500-□ <sup>16)</sup>
60	100–1,000	SFRT220-6000-□ <sup>16)</sup>
65	100–1,000	SFRT220-6500-□ <sup>16)</sup>
80	100–1,000	SFRT220-8000-□ <sup>16)</sup>
100	100–1,000	SFRT220-10000-□ <sup>16)</sup>

Used to prevent electro-static charges – iglidur® F2



 Order key for round bars

Type	Dimensions [mm]
------	-----------------


**SF R F2-30 00-500**

Bar stock	Round	iglidur® material	Outer Ø	Inner Ø	Length <sup>16)</sup>	<sup>16)</sup> Length in mm from 100 to 1,000, graduated in 100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRF2-1000-□ <sup>16)</sup>
15	100–1,000	SFRF2-1500-□ <sup>16)</sup>
20	100–1,000	SFRF2-2000-□ <sup>16)</sup>
25	100–1,000	SFRF2-2500-□ <sup>16)</sup>
30	100–1,000	SFRF2-3000-□ <sup>16)</sup>
35	100–1,000	SFRF2-3500-□ <sup>16)</sup>
40	100–1,000	SFRF2-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRF2-4500-□ <sup>16)</sup>
50	100–1,000	SFRF2-5000-□ <sup>16)</sup>
55	100–1,000	SFRF2-5500-□ <sup>16)</sup>
60	100–1,000	SFRF2-6000-□ <sup>16)</sup>
65	100–1,000	SFRF2-6500-□ <sup>16)</sup>
80	100–1,000	SFRF2-8000-□ <sup>16)</sup>
100	100–1,000	SFRF2-10000-□ <sup>16)</sup>

 igus® constantly expands its range of available materials and dimensions. Please contact us in case the required diameter is not available.

# iglidur® round bars | Product range

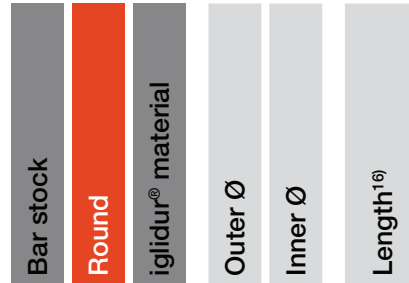
Versatile and cost-effective – iglidur® J2



 Order key for round bars

Type Dimensions [mm]

**SF R J2-30 00-500**



¹⁶) Length in mm  
from 100 to 1,000,  
graduated in  
100 mm steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRJ2-1000-□ <sup>16)</sup>
15	100–1,000	SFRJ2-1500-□ <sup>16)</sup>
20	100–1,000	SFRJ2-2000-□ <sup>16)</sup>
25	100–1,000	SFRJ2-2500-□ <sup>16)</sup>
30	100–1,000	SFRJ2-3000-□ <sup>16)</sup>
35	100–1,000	SFRJ2-3500-□ <sup>16)</sup>
40	100–1,000	SFRJ2-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRJ2-4500-□ <sup>16)</sup>
50	100–1,000	SFRJ2-5000-□ <sup>16)</sup>
55	100–1,000	SFRJ2-5500-□ <sup>16)</sup>
60	100–1,000	SFRJ2-6000-□ <sup>16)</sup>
65	100–1,000	SFRJ2-6500-□ <sup>16)</sup>
80	100–1,000	SFRJ2-8000-□ <sup>16)</sup>
100	100–1,000	SFRJ2-10000-□ <sup>16)</sup>

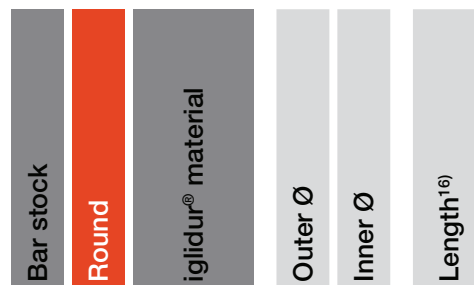
## Flame-retardant, according to DIN EN 45545 – iglidur® RW370



 Order key for round bars

Type Dimensions [mm]

**SF R RW370-30 00-500**



¹⁶) Length  
in mm from  
100 to 1,000,  
graduated  
in 100 mm  
steps

## Dimensions [mm]

Ø	Lengths <sup>16)</sup>	Part No.
10	100–1,000	SFRRW370-1000-□ <sup>16)</sup>
15	100–1,000	SFRRW370-1500-□ <sup>16)</sup>
20	100–1,000	SFRRW370-2000-□ <sup>16)</sup>
25	100–1,000	SFRRW370-2500-□ <sup>16)</sup>
30	100–1,000	SFRRW370-3000-□ <sup>16)</sup>
35	100–1,000	SFRRW370-3500-□ <sup>16)</sup>
40	100–1,000	SFRRW370-4000-□ <sup>16)</sup>

Ø	Lengths <sup>16)</sup>	Part No.
45	100–1,000	SFRRW370-4500-□ <sup>16)</sup>
50	100–1,000	SFRRW370-5000-□ <sup>16)</sup>
55	100–1,000	SFRRW370-5500-□ <sup>16)</sup>
60	100–1,000	SFRRW370-6000-□ <sup>16)</sup>
65	100–1,000	SFRRW370-6500-□ <sup>16)</sup>
80	100–1,000	SFRRW370-8000-□ <sup>16)</sup>
100	100–1,000	SFRRW370-10000-□ <sup>16)</sup>

 Available from stock  
Produced to special order



# iglidur® round bars and tubes | Product range

iglidur®  
bar stock

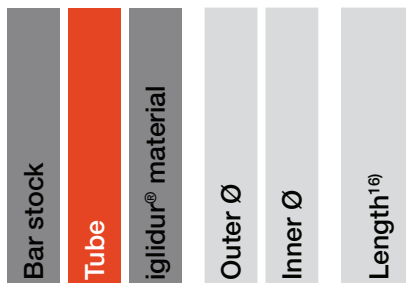
The versatile endurance runner – iglidur® J



Order key for tubes

Type      Dimensions [mm]

**SF T J - 30 00 - 500**



<sup>16)</sup> Length in mm  
from 100 to 1,000,  
graduated in  
100 mm steps

## Dimensions [mm]

Inner Ø	Inner diameter tolerance	Outer Ø	Outer diameter tolerance	Length <sup>16)</sup>	Part No.
70	-2.0 / -6.5	110	+1.5 / +4.5	100-1,000	<b>SFTJ-11070</b>
70	-2.0 / -6.5	125	+1.5 / -2.0	100-1,000	<b>SFTJ-12570</b>
100	-2.0 / -6.5	150	+1.5 / +4.5	100-1,000	<b>SFTJ-150100</b>



igus® constantly expands its range of available materials and dimensions. Please contact us in case the required diameter is not available.



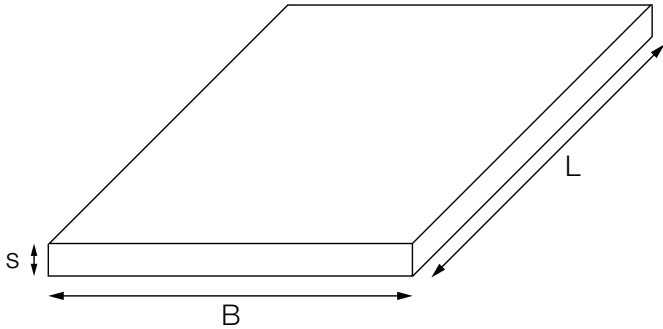
Order key for plates

Type

Dimensions [mm]

**SF P J -02-500-240**

Bar stock	Plate	iglidur® material	Material thickness	Length	Width
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Dimensions (L x W)	Material thickness s	Part No.
500x240	2 / 4 / 6	<b>SFPJ-□-500-240</b>
500x300	10 / 15 / 20 / 25 / 30 / 40	<b>SFPJ-□-500-300</b>
500x500	2 / 4 / 6	<b>SFPJ-□-500-500</b>
500x610	10 / 15 / 20 / 25 / 30 / 40	<b>SFPJ-□-500-610</b>
1,000x500	2 / 4 / 6	<b>SFPJ-□-1000-500</b>
1,000x610	10 / 15 / 20 / 25 / 30 / 40	<b>SFPJ-□-1000-610</b>
1,000x1,000	2 / 4 / 6	<b>SFPJ-□-1000-1000</b>

Tolerances	
Material thickness	Tolerance
2	+0.000 +0.200
4	+0.000 +0.250
6	+0.000 +0.300
10	+0.200 +0.900
15	+0.300 +1,500
20	+0.300 +1,500
25	+0.300 +1,500
30	+0.500 +2,500
40	+0.500 +2,500

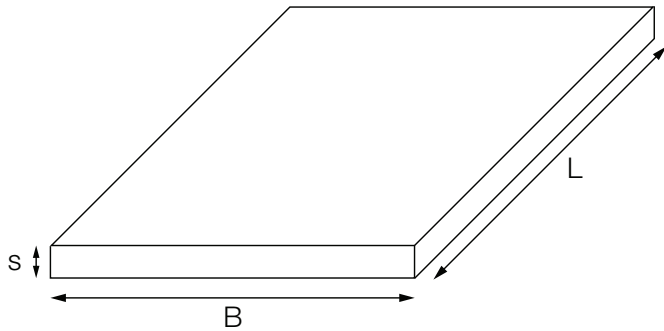
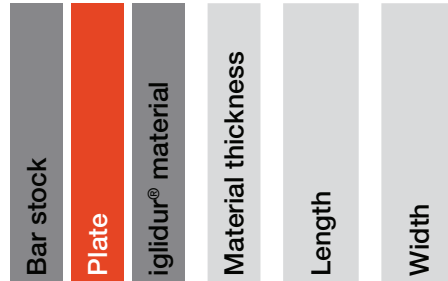
Extreme wear resistant in black – iglidur® JB



Order key for plates

Type      Dimensions [mm]

**SF P J - 02 - 500 - 240**



Dimensions (L x W)	Material thickness s	Part No.
500x300	10 / 25	SFPJB-□-500-300
500x610	10 / 25	SFPJB-□-500-610
1,000x610	10 / 25	SFPJB-□-1000-610

Tolerances	
Material thickness	Tolerance
10	+0.200 +0.900
25	+0.300 +1.500

The FDA-compliant endurance runner at higher temperatures – iglidur® A350



Dimensions (L x W)	Material thickness s	Part No.
500x300	15 / 20 / 25	SFPA350-□-500-300
500x610	15 / 20 / 25	SFPA350-□-500-610
1,000x610	15 / 20 / 25	SFPA350-□-1000-610

Tolerances	
Material thickness	Tolerance
15	+0.300 +1.500
20	+0.300 +1.500
25	+0.300 +1.500

# iglidur® bar stock | Processing information

## Processing information for iglidur® bar stock

General information for achieving good results when processing iglidur® bar stock:

- Use tools made from high-speed steels (HSS) and hard metal (HM)
- Always ensure the tools are extremely sharp and in perfect condition
- In view of the far greater thermal expansion compared to metals and the dimensional

changes caused by absorbed water, larger production tolerances are required for plastics than for metal parts

- To reduce any retrospective warping as a result of machining stresses, if large material volumes are to be machined, interim tempering should be used before the refined finishing stage

	Sawing	Turning	Milling	Drilling
<b>Tool material</b>	HM with alternate teeth or trapezoidal flat teeth	HSS	HSS	HSS
<b>Clearance angle</b>	5–30°	2–10°	2–30°	3–16°
<b>Rake angle</b>	0–15°	0–8°	0–15°	5–30°
<b>Tooth pitch</b>	2–14 mm	–	–	–
<b>Setting angle</b>	–	45–60°	–	–
<b>Tip angle</b>	–	–	–	90–130°
<b>Cutting speed</b>	max. 300 m/min.	100–500 m/min.	80–500 m/min.	20–200 m/min.
<b>Feed rate</b>	–	0.05–0.5 mm/rpm	0.02–0.3 mm/rpm	–

Table: General processing information

### Tempering

Interim tempering reduces inner tensions caused by the machining process and thus creates narrower tolerances. In the end, the optimum values depend on the volume of material machined, the machining parameters and the geometric design of the end product, and have to be determined by tests.

As the plastic has low thermal conductivity, the plastic bar stock has to be heated slowly.

Where possible, the entire bar stock should be evenly heated. It is therefore important to achieve

the tempering temperatures indicated below over a period of 3 – 4 hours by slowly heating the part from room temperature. Depending on the thickness of the part, this tempering temperature should be maintained for 1 hour per cm of wall thickness.

If the machined part cools too quickly, tension can once again be induced in it. This is avoided by using a slow cooling process with a maximum reduction of +20 °C per hour until room temperature is reached.

Tempering temperature	iglidur® materials
+120 °C	A180, A181, J, J200, J2, J3, J4, R, UW160
+130 °C	J260
+130 °C	M250
+180 °C	F2, P210, T220, W300
+200 °C	A350, H1, J350
+220 °C	X <sup>111)</sup>

<sup>111)</sup> In the case of iglidur® X, the +220 °C per cm of wall thickness must be maintained for 2 hours.

# iglidur® bar stock | Online tools & speedicut

Special parts fast, machined to drawing



## Find & compare semi-finished products

This material finder helps you find the right iglidur® material for your project with a few clicks!

► [www.igus.eu/barstock-finder](http://www.igus.eu/barstock-finder)



## Calculate service life of bar stocks

Quick calculation of the service life of your iglidur® bar stock.

► [www.igus.eu/barstock-expert](http://www.igus.eu/barstock-expert)

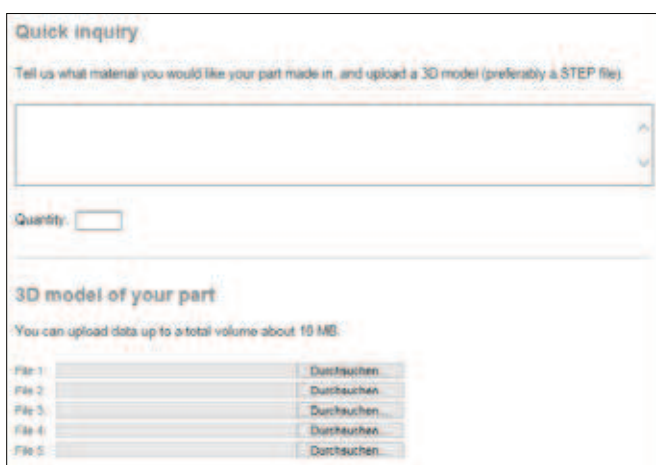
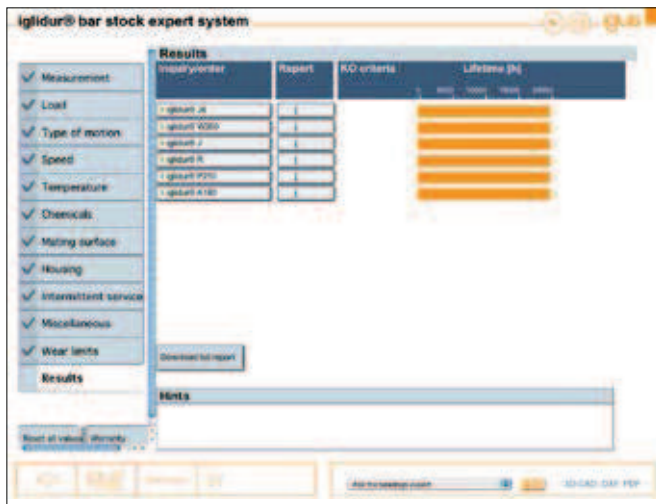
## speedicut – Special parts fast, machined to drawing

speedicut is the machining process of iglidur® bar stocks produced to your 3D model and specifications.

Before submitting an online request for the mechanical production of your desired geometric design, you can use the material finder or the service life calculation program to filter materials and find the right one for your application. If you would like our assistance in choosing the right material with the optimum friction and wear values, please do not hesitate to contact us.

We divide machining into two categories:

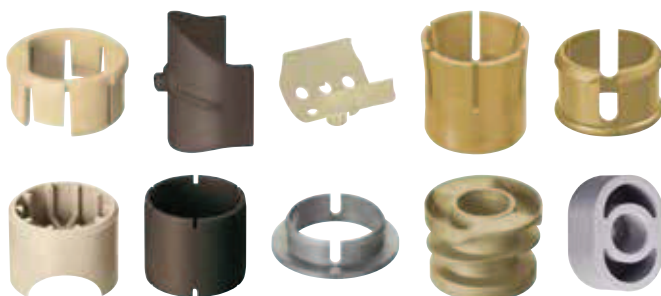
- Production of all custom geometric designs in the form of plain bearings, sliding elements and pads in line with your drawing and with the standard tolerances for plastics.
- Production of iglidur® plain bearings and thrust washers in custom dimensions in line with igus® standard tolerances. You do not need to create a drawing for this type of processing.



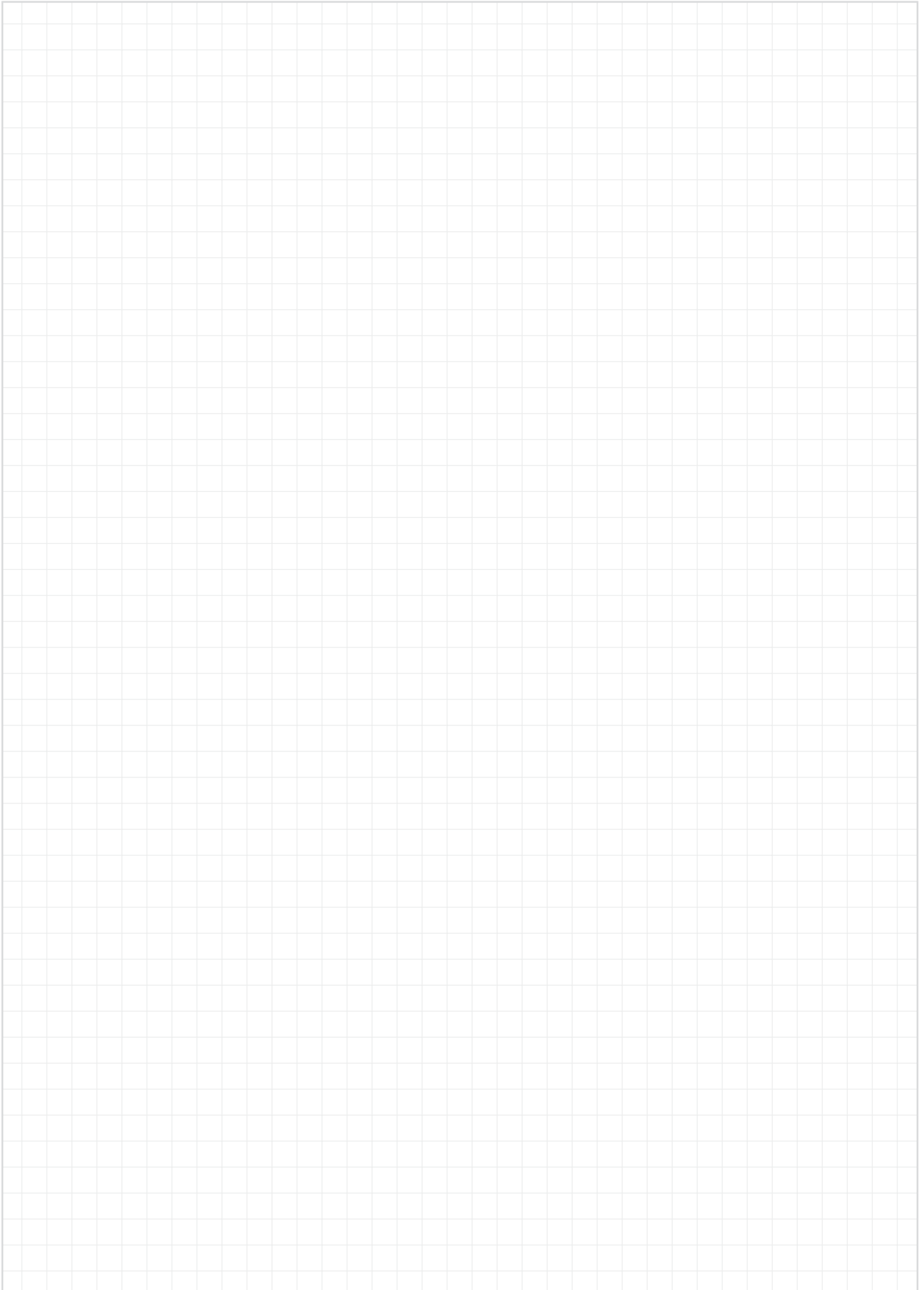
**Speed:** if required, we are able to produce small quantities within a matter of days. If you need prototypes for your urgent projects extremely quickly, please contact us.

Depending on their complexity and precision, our rapid delivery service can supply parts with a delivery time of as little as 3 days.

► [www.igus.eu/speedicut](http://www.igus.eu/speedicut)



# My sketches





## iglidur<sup>®</sup> Tribo-Tape

Choice of 4 materials

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Lubrication and maintenance-free

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Wear-resistant

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Easy to cut

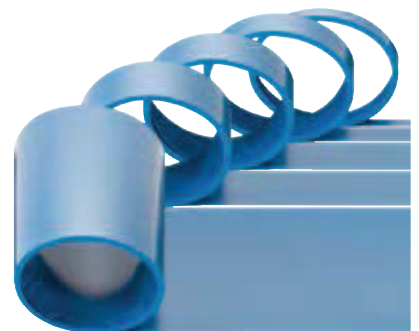
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Can be glued

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Standard widths from stock

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# iglidur® Tribo-Tape | Advantages

Versatile: iglidur® Tribo-Tape



FDA

## Material: iglidur® A160

- Low coefficients of friction
  - Wear resistance: ++
  - Up to +90 °C
- Page 640

## Material: iglidur® B160

- For use in visible areas
  - Wear resistance: ++++
  - Up to +90 °C
- Page 641

## Material: iglidur® W160

- Antibacterial
  - Wear resistance: +++
  - Up to +90 °C
- Page 642

## Material: iglidur® V400

- High media resistance
  - Wear resistance: +++++
  - Up to +200 °C
- Page 643

## iglidur® off the reel: Tribo-Tape

igus® Tribo-Tape is designed for lining areas of wear and where frequent maintenance is required, an example is for machine beds etc. At just 0.5 mm thick (0.62 mm including the adhesive back), the space requirement is extremely low. The ease of use (the tape can simply be cut using scissors) and optional self-adhesive back open up almost endless possibilities for the product's use.

- Lubrication and maintenance-free
- Easy to cut
- For compact areas
- With or without self-adhesive back
- Standard width from stock
- Individual desired widths in continuous range from 20-500 mm



### Available from stock

Detailed information about delivery time online.



### Operation temperatures:

iglidur® A160: -50 °C up to +90 °C

iglidur® B160: -50 °C up to +90 °C

iglidur® W160: -50 °C up to +90 °C

iglidur® V400: -50 °C up to +200 °C

Differing temperatures with adhesive back  
(see product page)



### Product film

► [www.igus.eu/tape-film](http://www.igus.eu/tape-film)



### Cutting service

Whether as a specially tailored by-the-metre product or freely designed pre-cut parts: We

produce your desired product in desired width from our iglidur® Tribo-Tape. Talk to us!

► [www.igus.eu/custom-tape](http://www.igus.eu/custom-tape)





## Material properties

General properties	Unit	iglidur® A160	iglidur® B160	iglidur® W160	iglidur® V400	Testing method
Density	g/cm <sup>3</sup>	1.00	1.00	0.95	1.51	
Colour		blue	black	white	cream white	
Max. moisture absorption at +23 °C/50 % r.h.	% weight	0.1	0.1	0.1	0.1	DIN 53495
Max. water absorption	% weight	0.1	0.1	0.1	0.2	
Coefficient of sliding friction, dynamic, against steel	μ	0.09– 0.19	0.13– 0.20	0.12– 0.20	0.15– 0.20	
<b>Mechanical properties</b>						
Flexural modulus	MPa	1,151	852	799	4,500	DIN 53457
Tensile strength at +20 °C	MPa	19	14	14	95	DIN 53452
Shore-D hardness		60	59	58	74	DIN 53505
<b>Physical and thermal properties</b>						
Max. long-term application temperature	°C	+90	+90	+90	+200	
Max. short-term application temperature	°C	+100	+100	+100	+240	
Min. application temperature	°C	–50	–50	–50	–50	
Heat conductivity	W/m · K	0.30	0.32	0.30	0.24	ASTM C 177
Coefficient of thermal expansion (at +23 °C)	K <sup>-1</sup> · 10 <sup>-5</sup>	11	11	11	3	DIN 53752
<b>Electrical properties</b>						
Specific contact resistance	Ωcm	> 10 <sup>12</sup>	> 10 <sup>12</sup>	> 10 <sup>12</sup>	> 10 <sup>12</sup>	DIN IEC 93
Surface resistance	Ω	> 10 <sup>12</sup>	> 10 <sup>12</sup>	> 10 <sup>12</sup>	> 10 <sup>12</sup>	DIN 53482

Table 01: Material properties table

## Chemical resistance (at +20 °C)

Chemical resistance	iglidur® A160	iglidur® B160	iglidur® W160	iglidur® V400
Alcohol	+	+	+	+
Hydrocarbons	+	+	+	+
Greases, oils without additives	+	+	+	+
Fuels	+ to 0	+ to 0	+ to 0	+
Diluted acids	+	+	+	+
Strong acids	+	+	+	+
Diluted alkalines	+	+	+	+
Strong alkalines	+	+	+	–
<b>Radiation Resistance [Gy] up to</b>	1 · 10 <sup>5</sup>	1 · 10 <sup>5</sup>	1 · 10 <sup>5</sup>	2 · 10 <sup>4</sup>

+ resistant 0 conditionally resistant – not resistant

All data given at room temperature [+20 °C]

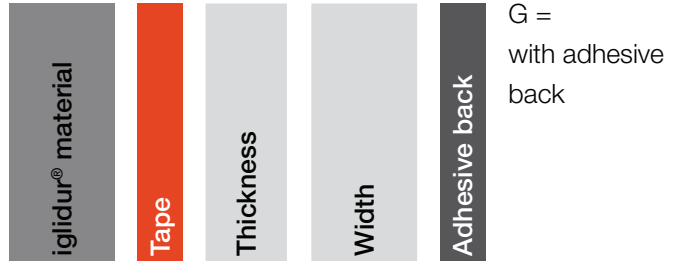
**FDA**



 **Order key**

Type      Dimensions [mm]      Options

**A160 - T - 005 - 0020 - G**




The low-cost iglidur® A160 tape has very high wear resistance compared to similar, thin plastic films.


 **Tribo-Tape from iglidur® A160 with adhesive back**  
Temperature  $-40^{\circ}\text{C}$  up to  $+90^{\circ}\text{C}$

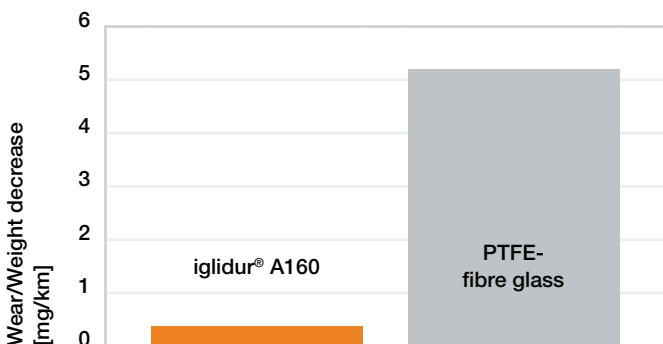
### Dimensions [mm]

Thickness	Thickness tolerance	Width	Width tolerance	Part No.	Part No. with adhesive back <sup>112)</sup>
0.5	$\pm 0.1$	20	$\pm 0.5$	<b>A160-T-005-0020</b>	<b>A160-T-005-0020-G</b>
0.5	$\pm 0.1$	50	$\pm 0.5$	<b>A160-T-005-0050</b>	<b>A160-T-005-0050-G</b>
0.5	$\pm 0.1$	100	$\pm 0.5$	<b>A160-T-005-0100</b>	<b>A160-T-005-0100-G</b>
0.5	$\pm 0.1$	500	$\pm 1.0$	<b>A160-T-005-0500</b>	<b>A160-T-005-0500-G</b>
1.0	$\pm 0.1$	500	$\pm 1.0$	<b>A160-T-010-0500</b>	<b>A160-T-010-0500-G</b>

<sup>112)</sup> Adhesive thickness tolerance:  $\pm 0.015$  mm

 **Individual widths upon request**  
Continuously from 20–500 mm

 **Cutting service**  
Design Tribo-Tape flexibly  
► [www.igus.eu/custom-tape](http://www.igus.eu/custom-tape)



Linear wear against stainless steel pin (1.4305)

$F = 10$  N,  $v = 9,600$  mm/min



**FDA**

iglidur® A160 material complies with EC Directive 10/2011 EC and also with FDA (Food and Drug Administration) specifications for repeated contact with food.

# iglidur® Tribo-Tape | Product range

For use in visible areas – iglidur® B160



Order key

Type	Dimensions [mm]	Options
<b>B160 - T - 005 - 0020 - G</b>		
iglidur® material	Tape	Thickness
		Width
		Adhesive back

G = with adhesive back

Especially where the iglidur® Tribo-Tape is a visible part, the new black option now offers even more creative freedom. Furthermore the wear resistance compared to variants made of iglidur® A160 has been improved once again.



Tribo-Tape from iglidur® B160 with adhesive back  
Temperature -40°C up to +90°C

## Dimensions [mm]

Thickness	Thickness tolerance	Width	Width tolerance	Part No.	Part No. with adhesive back <sup>112)</sup>
0.5	±0.1	20	±0.5	B160-T-005-0020	B160-T-005-0020-G
0.5	±0.1	50	±0.5	B160-T-005-0050	B160-T-005-0050-G
0.5	±0.1	100	±0.5	B160-T-005-0100	B160-T-005-0100-G
0.5	±0.1	500	±1.0	B160-T-005-0500	B160-T-005-0500-G

<sup>112)</sup> Adhesive thickness tolerance: ±0.015 mm



Individual widths upon request

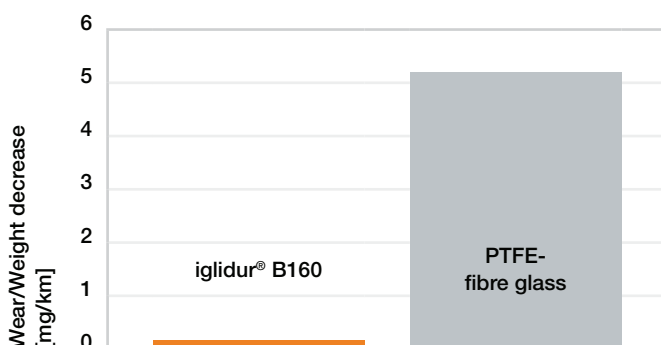
Continuously from 20–500 mm



Cutting service

Design Tribo-Tape flexibly

► [www.igus.eu/custom-tape](http://www.igus.eu/custom-tape)



Linear wear against stainless steel pin (1.4305)

F = 10 N, v = 9,600 mm/min

# iglidur® Tribo-Tape | Product range

## Antibacterial – iglidur® W160



### Order key

Type      Dimensions [mm]      Options

**W160- T - 005 - 0020 - G**



With its white colour and UV-stabilised additives, the iglidur® W160 Tribo-Tape offers even more design freedom as a visual part. The anti-bacterial feature also offers advantages in areas like medical technology, where hygiene is critical.

**i** Tribo-Tape from iglidur® W160 with adhesive back  
Temperature  $-40^{\circ}\text{C}$  up to  $+90^{\circ}\text{C}$

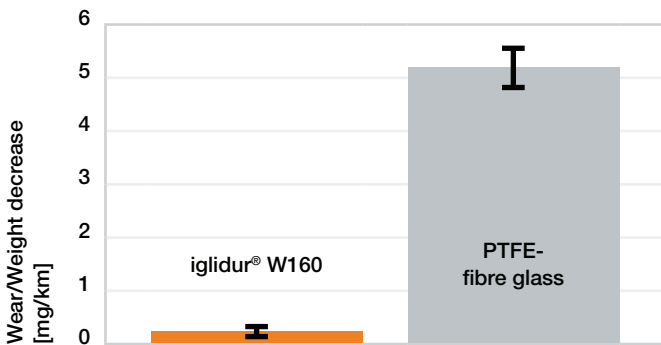
### Dimensions [mm]

Thickness	Thickness tolerance	Width	Width tolerance	Part No.	Part No. with adhesive back <sup>112)</sup>
0.5	$\pm 0.1$	20	$\pm 0.5$	W160-T-005-0020	W160-T-005-0020-G
0.5	$\pm 0.1$	50	$\pm 0.5$	W160-T-005-0050	W160-T-005-0050-G
0.5	$\pm 0.1$	100	$\pm 0.5$	W160-T-005-0100	W160-T-005-0100-G
0.5	$\pm 0.1$	500	$\pm 1.0$	W160-T-005-0500	W160-T-005-0500-G

<sup>112)</sup> Adhesive thickness tolerance:  $\pm 0.015$  mm

**i** Individual widths upon request  
Continuously from 20–500 mm

**i** Cutting service  
Design Tribo-Tape flexibly  
► [www.igus.eu/custom-tape](http://www.igus.eu/custom-tape)



Linear wear against stainless steel pin (1.4305)

F = 10 N, v = 9600 mm/min

# iglidur® Tribo-Tape | Product range

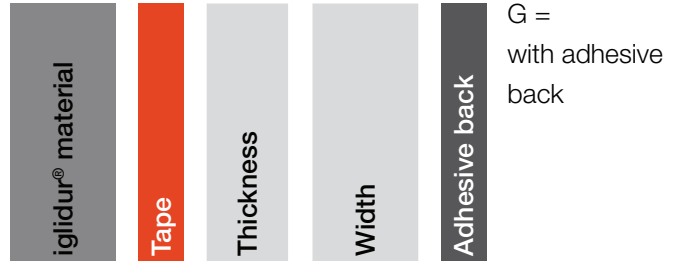
High media resistance – iglidur® V400



## Order key

Type      Dimensions [mm]      Options

**V400 - T - 005 - 0120 - G**



iglidur® V400 tape is not only extremely wear resistant but also extremely media and temperature resistant. In fact, it has been proven in tests to be up to 10 times more wear resistant than special products for machine beds.

**i** Tribo-Tape from iglidur® V400 with adhesive back  
Temperature  $-40^{\circ}\text{C}$  up to  $+200^{\circ}\text{C}$

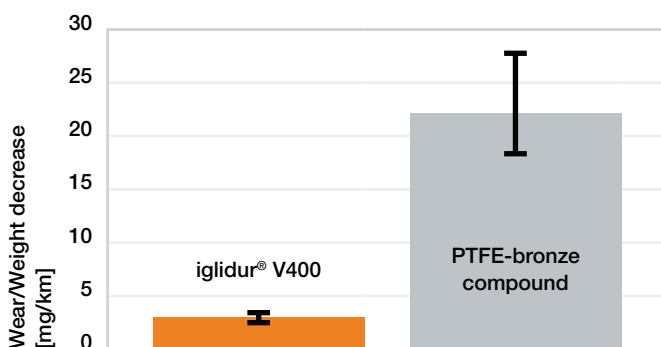
## Dimensions [mm]

Thickness	Thickness tolerance	Width	Width tolerance	Part No.	Part No. with adhesive back <sup>112)</sup>
0.5	$\pm 0.1$	120	$\pm 1.0$	V400-T-005-0120	V400-T-005-0120-G

<sup>112)</sup> Adhesive thickness tolerance:  $\pm 0.015$  mm

**i** Individual widths upon request  
Continuously up to 120 mm

**✂** Cutting service  
Design Tribo-Tape flexibly  
► [www.igus.eu/custom-tape](http://www.igus.eu/custom-tape)



Linear wear against stainless steel pin (1.4305)

$F = 35$  N,  $v = 0.5$  m/min

