

FEATURES

- Shrink ratio: 2:1
- Very flexible, high flame retardant
- Resistant to common solvent liquid
- Excellent physical, chemical and electrical performance
- Compliance with RoHS
- Continuous operating temperature: -55°C~125°C
- Minimum shrink temperature: 70°C
- Full recovery temperature: Above 110°C

RS PRO

Polyolefin heat shrinkable tubing 2:1

RS Stock No.:

7004620,7004624,7004630,7004649,7004646,7004658,7004661,7004664,7004668,7004677,7004670,7004674,7004683,7004686,7004680,7004699,7004692,7004696,7004706,7004709,7004703,7004712,7004715,7004719,7004728,7004721,7004725,7004734,7004737,7004731,7004740,7004743,7004747,7004756,7004759,7004753,7004762,7004765,7004769,7004778,7004771,7004775,7004784,7004787,7004781



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

It is a polyolefin material heat shrinkable tubing that complies with current environmental regulations. It is widely used in industrial and commercial fields, such as outer insulation protection of wire splices, metal pipes, electronic components, and so on.

General Specifications

Part Number	Color	Dimensions		
		As Supplied (mm)	After Recovery (mm)	Wall Thickness Shrunk (mm)
		D (I.D.min.)	d (I.D.max.)	w(min)
700-4620	Black	1.6	0.8	0.36
700-4624	Black	2.4	1.2	0.44
700-4630	Black	3.2	1.6	0.44
700-4649	Black	4.8	2.4	0.44
700-4646	Black	6.4	3.2	0.56
700-4658	Black	9.5	4.8	0.56
700-4661	Black	12.7	6.4	0.56
700-4664	Black	19.0	9.5	0.77
700-4668	Black	25.4	12.7	0.87
700-4677	Red	1.6	0.8	0.36
700-4670	Red	2.4	1.2	0.44
700-4674	Red	3.2	1.6	0.44
700-4683	Red	4.8	2.4	0.44
700-4686	Red	6.4	3.2	0.56
700-4680	Red	9.5	4.8	0.56
700-4699	Red	12.7	6.4	0.56

700-4692	Red	19.0	9.5	0.77
700-4696	Red	25.4	12.7	0.87
700-4706	Yellow	1.6	0.8	0.36
700-4709	Yellow	2.4	1.2	0.44
700-4703	Yellow	3.2	1.6	0.44
700-4712	Yellow	4.8	2.4	0.44
700-4715	Yellow	6.4	3.2	0.56
700-4719	Yellow	9.5	4.8	0.56
700-4728	Yellow	12.7	6.4	0.56
700-4721	Yellow	19.0	9.5	0.77
700-4725	Yellow	25.4	12.7	0.87
700-4734	Blue	1.6	0.8	0.36
700-4737	Blue	2.4	1.2	0.44
700-4731	Blue	3.2	1.6	0.44
700-4740	Blue	4.8	2.4	0.44
700-4743	Blue	6.4	3.2	0.56
700-4747	Blue	9.5	4.8	0.56
700-4756	Blue	12.7	6.4	0.56
700-4759	Blue	19.0	9.5	0.77
700-4753	Blue	25.4	12.7	0.87
700-4762	White	1.6	0.8	0.36
700-4765	White	2.4	1.2	0.44
700-4769	White	3.2	1.6	0.44
700-4778	White	4.8	2.4	0.44
700-4771	White	6.4	3.2	0.56
700-4775	White	9.5	4.8	0.56
700-4784	White	12.7	6.4	0.56
700-4787	White	19.0	9.5	0.77
700-4781	White	25.4	12.7	0.87

Technical Data

Property	Specification Requirement	Test Method	Typical Value
Longitudinal change	-10%~10%	ASTM D2671	Pass
Tensile strength	≥10.3MPa	ASTM D2671	≥11.3MPa
Elongation at break	≥200%	ASTM D2671	≥400%
Tensile strength after aging	70% of initial value	ASTM D2671 (158°C/168 hrs)	≥80%
Elongation at break after aging	≥100%	ASTM D2671 (158°C/168 hrs)	≥200%
Dielectric voltage withstand	AC2500V/60S No breakdown	ASTM D2671	No breakdown
Volume resistivity	≥10 ¹⁴ Ω · cm	ASTM D2671	≥10 ¹⁴ Ω · cm
Dielectric strength	≥19.7kV/mm	ASTM D2671	22 kV/mm

Mechanical Specifications

Sleeve Diameter	2.4mm
Shrunk Diameter	1.2mm
Sleeve Length	10m
Wall Thickness	0.12mm
Tensile Strength	10.3MPa (min.)
Elongation	200% (min.)
Low Temperature Flexibility	during mandrel bend after 4 hours at -55°C
Flexibility	Semi-rigid
Heat Shock	flowing or cracking after 4 hours at 250°C
Specific Gravity	1.35 (max.)
Longitudinal Change	0±5%

Chemical Properties	
Transparent Stability	175°C x 24 hours
Fluid Resistance	After immersion at 24°C x 24 hours
Flammability	Flame Retarded
Tensile Strength	10.3MPa (min.)
Dielectric Strength	19.7KV/mm
Corrosion	Non-corrosive
Water Absorption	< 0.5%

Operation Environment Specifications

Operating Temperature	-55°C~125°C
Shrink Temperature	70°C
Full Recovery Temperature	Above 110°C

Operating temperature range

Operating temperature: -55°C~125°C

Minimum shrink temperature: 70°C

Full recovery temperature: Above 110°C

Classification

eCI@ss Version	
UNSPSC Version	

Approvals

Compliance/Certifications	CE / UL/cUL
Standards Met	1984; A-A-59133B; A-A-694D; AFS 2270; AMS DTL 23053/16
Declarations	

Similar Products



Parameters	Stock#	Stock#	Stock#	Stock#
Brand	RS PRO	RS PRO	RS PRO	RS PRO
Sleeve Type				
Colour				
Adhesive Lined				
Shrink Ratio				
Material				
Sleeve Diameter				
Shrunk Diameter				
Sleeve Length				
Wall Thickness				
Tensile Strength				
Elongation				
Low Temperature Flexibility				
Flexibility				
Heat Shock				
Specific Gravity				
Longitudinal Change				
Dielectric Strength				
Voltage				
Transparent Stability				
Fluid Resistance				
Flammability				
Tensile Strength				
Dielectric Strength				
Corrosion				
Water Absorption				
Operating Temperature				
Shrink Temperature				
Full Recovery Temperature				
Standards Met				

INSTRUCTIONS FOR USE/SLEEVES APPLICATIONS/DIMENTIONAL DIAGRAM