

ENGLISH

Datasheet

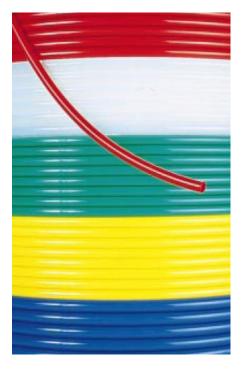
Black 30m Nylon Air Hose, -40 → +80°C, Application Various

RS Stock number 415-0553

Special Features

- Resistant to a wide range of chemicals (see Chemicals Resistance Table)
- Silicone free
- Abrasion resistance excellent
- Mirror smooth inner for improved flow







RS, Professionally Approved Products, gives you professional quality parts across all products categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.



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STOCK SIZES - IMPERIAL

Product	Siz	e	Min. Bend	Burst Pressure			
Ref.	I.D.	Q.D.	Radius	PSI	BAR		
FLEXIBLE MEDIUM GAUGE							
NMSF06	.117	3/16	3/4	650	44		
NMSF08	.170	1/4	1	650	44		
NMSF10	.212	5/16	1 1/2	650	44		
NMFS12/SF	.265	3/8	2	650	44		
NMSF12	.250	3/8	2 1/2	650	44		
NMSF16	.375	1/2	3	650	44		

STOCK SIZES - METRIC

Product	Size		Nominal Wall Thickness		Nom. Burst Pressure @ +20°C		Bend Radius
Ret	OΠ	Tal.	I.D.	mm	P.S.I.	BAR	mm
FLEXBLE MEDIUM GAUGE							
		+0.05/					
NMSF04M	4	-0.07	2.5	0.75 ± 0.08	917	62	25mm
		+0.05/					
NMSF05M	5	-0.07	3.3	0.85 ± 0.08	850	58	30mm
		+0.05/					
NMSF06M	6	-0.10	4	1.00 ± 0.08	840	57	35mm
		+0.05/					
NMSF08M	8	-0.10	5.5	1.25 ± 0.08	802	55	45mm
		+0.05/					
NMSF10M	10	-0.10	7	1.50 ± 0.08	773	53	60mm
		+0.05/					
NMSF12M	12	-0.10	8.5	1.75 ± 0.08	755	51	70mm

A full range of colours are available. Please ask for details

PHYSICAL PROPERTIES	METHOD	UNIT	
Melting Point Range	Polarisation Microscope	°C	162 - 170
Density	DIN 53479	9/cm3	1.05
Water Absorption	Condition at 65% RH & 20℃	%	1.4
Water Saturation	Condition at 65% RH & 20℃	Kp/cm2	160
Tensile Strength, yield	DIN 53455	Kp/cm2	280
Elongation at yield	DIN 53455	%	350
Tensile Strength at break	DIN 53455		
Elongation at break	DIN 53455	Kp/cm2	140
Flexural Strength at conventional deflection	DIN 53452	Kp/cm2 cmkp/cm2	210 No break
Ball Indentation hardness	VDE 0303 . 60 sec		51
Impact Strength	DIN 53453		
Shore Hardness - Scale D			

Max. Temperatures for long term usage in: AIR, WATER & OIL $80\,^{\circ}\text{C}$

Max. Temperatures for short term: 100°C

NOTE: Working pressures - allow a factor of between 2 - 1 and 4 - 1 subject to operating conditions.

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