ENGLISH

Datasheet

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

RS Stock number 723-927

INDUSTRIAL NYLON TUBING
The Extra Flexible Nylon

Special Features

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

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STOCK SIZES - IMPERIAL

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

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°C	%	1.4
Water Saturation	Condition at 65% RH & 20°C	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°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.