

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



STOCK SIZES - IMPERIAL

Product Ref.	Size		Min. Bend Radius	Burst Pressure	
	I.D.	O.D.		PSI	BAR
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		I.D.	Nominal Wall Thickness mm	Nom. Burst Pressure @ +20°C		Bend Radius mm
	O.D.	Tol.			P.S.I.	BAR	
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

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	g/cm ³	1.05
Water Absorption	Condition at 65% RH & 20°C	%	1.4
Water Saturation	Condition at 65% RH & 20°C	Kp/cm ²	160
Tensile Strength, yield	DIN 53455	Kp/cm ²	280
Elongation at yield	DIN 53455	%	350
Tensile Strength at break	DIN 53455		
Elongation at break	DIN 53455	Kp/cm ²	140
Flexural Strength at conventional deflection	DIN 53452	Kp/cm ² cmkp/cm ²	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.