



Datasheet

ENGLISH

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

RS Stock number 725-507



METRIC SIZES NYLON **BURST TEST PRESSURE**

Nominal outside diameter	Minimum burst pressure	
	Light duty grade	Normal duty grade
mm	bar	bar
4	45	78
5	48	72
6	48	72
8	51	66
10	51	66
12	42	63
16	40	54
18	33	48
22	33	48
28	33	48

NOTE. These short-term burst pressures are calculated on an induced stress of 20 MPa at 20°C.



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PHYSICAL PROPERTIES

Density	1.04 g./c.c.	65.4 lb./ft. ³
Melting Point	186°C	367°F
Specific Heat (Cal.)	0.58	
Thermal conductivity (c.g.s.)	7 × 10 ⁻⁴	
Latent heat of fusion (K.Cal./KG)	20	
Linear coefficient of expansion	11 × 10 ⁻⁵	
Atmospheric absorption of Water (@ R.H. 65%)	0.5%	
Maximum absorption of Water (@ R.H. 100%)	1.5%	
Inflammability	Self extinguishing	

NORMAL DUTY FLEXIBLE (in accordance with BS5409)

Code	Outside diameter			Wall thickness		Concentricity	Recommended maximum working pressure				Minimum radius inside bend at 20°C
	Nominal	Min.	Max.	Min.	Max.	Max.	-40°C +20°C	+30°C	+50°C	+80°C	
NMF04M	4	3.93	4.05	0.67	0.83	0.08	26	22	17	12	25
NMF05M	5	4.93	5.05	0.77	0.93	0.08	24	20	15	11	30
NMF06M	6	5.90	6.05	0.92	1.08	0.08	24	20	15	11	35
NMF08M	8	7.90	8.05	1.17	1.33	0.08	22	18	14	10	45
NMF10M	10	9.90	10.05	1.42	1.58	0.08	22	18	14	10	60
NMF12M	12	11.90	12.05	1.67	1.83	0.08	21	17	13	10	70
NMF16M	16	15.90	16.05	1.92	2.08	0.08	18	15	11	8.5	90
NMF18M	18	17.85	18.05	1.92	2.08	0.10	16	13	10	7.5	115
NMF22M	22	21.85	22.05	2.42	2.58	0.10	16	13	10	7.5	125
NMF28M	28	27.80	28.05	2.92	3.08	0.10	15	12	9.5	7	160