



**SUNFLEX SAE 100R7
THERMOPLASTIC HOSE
BS4983: 1973 DIN 24951 pt 2 ISO3945**

Sunflex Thermoplastic Hose - SAE 100R7

An all-purpose medium pressure hose suitable for many hydraulic and pneumatic systems. Compatible with hydraulic oils, grease, fuel oils, mineral oils and most phosphate esters

For water and water-based hydraulic fluids, temperature is limited to 70°C

This hose is also suitable for many industrial gases, e.g. Heliox (max.25% O₂), Argon, Nitrogen, Carbon Dioxide, Helium and Air. Refer to BS6596 for recommended factors of safety.

SAE 100R7 has a pin-pricked cover

Applications: General Hydraulics, Mechanical Handling, Construction Equipment, Gas Applications, Machine Tools

Construction: Comprises of an unplasticised polyester elastomer tube reinforced with a single braid of polyester fibre, and a black polyurethane outer cover.

Performance:

- Min/Max continuous service temperature range -40°C to 100°C (water and water-based fluids limited to 70°C)
- Low ID to OD ratios, slim and lightweight
- First-rate stability - change in length better than +/- 3%
- Excellent flexibility and flex fatigue resistance throughout temperature range.

Part Number	Nominal Inside Diameter		Nominal Outside Diameter		Working Pressure		Bursting Pressure		Min. Bend Radius		Hose Weight	
	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	lbs/ft	kg/m
R7-03-SF-PP	3/16	4.7	0.415	10.50	3000	207	12000	827	3.5	75	0.05	0.08
R7-04-SF-PP	1/4	6.4	0.500	12.70	2750	190	11000	758	4.0	100	0.07	0.10
R7-06-SF-PP	3/8	9.6	0.640	16.30	2250	155	9000	620	5.0	127	0.10	0.16
R7-08-SF-PP	1/2	12.7	0.790	20.10	2000	138	8000	552	7.0	178	0.14	0.22
R7-10-SF-PP	5/8	15.9	0.960	24.40	1500	103	6000	412	8.0	203	0.16	0.25
R7-12-SF-PP	3/4	19.0	1.040	26.40	1250	86	5000	345	10.0	254	0.20	0.30
R7-16-SF-PP	1	25.4	1.310	33.30	1000	69	4000	276	12.0	305	0.25	0.38