



S7 Neoprene Heat Shrinkable Tubing

Features

- Cross-linked neoprene rubber
- Very Flexible, flame-retardant
- Excellent resistance to diesel fuels, hydraulic fluids, lubrication oils
- Excellent abrasion resistance
- Remain flexible at temperature as low as -70°C
- Operating temperature: -70~120°C
- Shrink temperature: 135°C
- Shrink Ratio : 2:1
- RoHS and REACH compliant

Standards

- SAE AMS-DTL-23053/1, Class 1&2

Dimensions

Reference UPM S7	As supplied(mm) ID min.	After recovered(mm) ID max.	WT nom.	Standard length m/spool
2.4	2.4	1.2	0.51±0.15	200
3.2	3.2	1.6	0.69±0.20	100
4.8	4.8	2.5	0.84±0.25	100
6.4	6.4	3.6	0.88±0.25	100
9.5	9.5	5.4	1.02±0.25	50
12.7	12.7	7.3	1.21±0.38	50
15.9	15.9	9.1	1.32±0.38	50
19.1	19.1	10.9	1.44±0.38	30
22.2	22.2	12.7	1.65±0.38	30
25.4	25.4	14.5	1.78±0.50	30
31.8	31.8	18.1	2.20±0.50	30
38.1	38.1	21.8	2.41±0.50	30
50.8	50.8	29.0	2.79±0.50	25

● ID=Internal Diameter

● WT=Wall Thickness

Technical Data

	Property	Test Method	Values
Physical	Longitudinal shrinkage	ASTM D 2671	≤5%
	Tensile strength	ASTM D 2671	≥11 MPa
	Breakdown elongation	ASTM D 2671	≥300%
Aging (121 °C/168hrs)	Tensile strength	ASTM D 2671	≥10.4 MPa
	Breakdown elongation	ASTM D 2671	≥200%
	Heat shock(150°C/4hrs)	ASTM D 2671	No cracking
	Low temperature flexibility(-70°C/4hrs)	ASTM D 2671	No cracking
Electrical	Dielectric voltage withstand	ASTM D 2671	2500V,60s No breakdown
	Volume resistivity	ASTM D 2671	≥10 ¹¹ Ω.cm
	Dielectric strength	ASTM D 2671	≥15 KV/mm
Chemical	Flammability	ASTM D 2671	Self-extinguish in 15s
	Copper corrosion	ASTM D 2671	No corrosion
Fluids resistance (23°C/24hrs)	Tensile strength	ASTM D 2671	≥9 MPa
	Breakdown elongation	ASTM D 2671	≥200%
	Dielectric strength	ASTM D 2671	≥12 KV/mm

Typical application

- Suitable for resistance to diesel fuels, hydraulic fluids, lubrication oils, and abrasion
- Ideal for insulation, strain relief, and abrasion protection on cable harnesses and wire bundles in the commercial military and aerospace industries.

Ordering

- Standard color : Black
- Standard packaging on spools
- Please specify specification, quantity when ordering

Cross reference

- Raychem/Tyco : NT (RT510)



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