



A3 Brake/Fuel Line Protection Heat Shrink Tube

Features

- Semi-rigid polyolefin outer layer
- Thermal melt adhesive liner
- Low shrink temperature
- Halogen free
- Operating temperature: -40~80°C
- Shrink temperature: 110 °C
- Shrink ratio: 1.5:1
- RoHS compliant

Dimensions

Shrink ratio 1.5:1

Reference UPM A3	As supplied(mm) ID min.	ID max.	After recovered(mm) WT nom.	Adhesive Thickness	Standard length m/spool
5.5/3.3	5.5	3.3	1.0	0.2	200
6.5/4.7	6.5	4.7	1.0	0.2	200
8.5/6.0	8.5	6.0	1.0	0.2	100
11.0/7.0	11.0	7.0	1.0	0.2	100
15.0/9.5	15.0	9.5	1.0	0.2	100

- ID=Internal Diameter
- WT= Wall Thickness

Technical Data

	Property	Test Method	Values
Physical	Tensile strength	ASTM D2671	≥12 MPa
	Breakdown elongation	ASTM D2671	≥350%
Aging	Tensile strength	ASTM D2671	≥12 MPa
	Breakdown elongation	ASTM D2671	≥300%
	Outer layer density	ASTM D792	1.0
	Water absorption	ASTM D570	≤0.4%
	Heat shock (200°C/4hrs)	ASTM D2671	No drop, No flow
	Low temperature flexibility	ASTM D2671	-40°C/4hrs ,no cracking
	Horizontal impact resistance(-35 °C)	ASTM D746	No damage
	Drop impact resistance(-35 °C)	ASTM D746	No damage
	Stress cracking resistance	ASTM D1693 part 5.3.6	No damage
	Volume resistivity	ASTM D2671	≥10 ¹⁴ Ω.cm
Electrical	Dielectric strength	ASTM D2671	≥15KV/mm

Typical application

- Ideal for the strain relief and mechanical protection of the brake/fuel line, hydraulic line which is subject to bending or clamping operations during manufacturing, installation or operation.

Ordering

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

Cross reference

- Raychem/Tyco : AP2000



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