



S3 Flame Retardant Medium Wall Heat Shrink Tube

Features

- Medium wall cross-linked polyolefin
- Flame retardant (VW-1)
- Thermal melt adhesive liner
- Excellent electrical, sealing, and mechanical properties
- Operating temperature: -55~105 °C
- Shrink temperature: 125 °C
- Shrink ratio: 3:1
- RoHS compliant

Approvals

- DNV
- CCS

Dimensions

Shrink ratio 3:1

Reference UPM S3	As supplied(mm) ID min.	After recovered(mm) ID max.	WT nom.	Standard length m
8/2	8	2	2.0	1.22
9/3	9	3	2.0	1.22
12/4	12	4	2.0	1.22
16/5	16	5	2.2	1.22
19/6	19	6	2.5	1.22
22/6	22	6	2.5	1.22
25/8	25	8	2.5	1.22
28/6	28	6	2.5	1.22
33/8	33	8	2.5	1.22
35/12	35	12	2.5	1.22
40/12	40	12	2.5	1.22
45/13	45	13	2.5	1.22
55/16	55	16	2.7	1.22
65/19	65	19	2.8	1.22
75/22	75	22	3.0	1.22
85/25	85	25	3.0	1.22
95/25	95	25	3.0	1.22
115/34	115	34	3.0	1.22
130/36	130	36	3.0	1.22
140/42	140	42	3.0	1.22
160/50	160	50	3.0	1.22
175/58	175	58	3.0	1.22
200/65	200	65	3.0	1.22
230/75	230	75	3.0	1.22
260/85	260	85	3.0	1.22

Technical Data

	Property	Test Method	Values
Physical	Tensile strength	ASTM D2671	≥10.4 MPa
	Breakdown elongation	ASTM D2671	≥350%
	Aging (158°C/168hrs)	ASTM D2671	≥10.4 MPa
		ASTM D2671	≥300%
	Water absorption (23°C/336h)	ASTM D570	≤0.5%
	Density	ASTM D2671	1.2~1.3
	Low temperature flexibility(-40°C/4hrs)	ASTM D2671	No cracking
	Heat shock (250°C/4hrs)	ASTM D2671	No drop, No flow (outer layer only)
	Hardness(Shore D)	ASTM D2671	≥42 HD
	Adhesive softening point	ASTM E28	≥85°C
Electrical	Peel strength to XLPE	ASTM D2671	110 N/25cm
	Peel strength to steel	ASTM D2671	80 N/25cm
Chemical	Volume resistivity	ASTM D2671	≥10 ¹⁴ Ω.cm
	Dielectric strength	ASTM D2671	≥15 kV/mm
	Flammability	UL224	VW-1

- ID=Internal Diameter
- WT= Wall Thickness

Typical application

- Ideal for outdoor electrical equipment and connections in wet and underground environments such as marine vessels, off-shore oil platform, shipyard and harbor.
- Suitable for easy identification of cable polarity and trouble shooting

Ordering

- Standard color : Black
- Special colors (e.g. Red) are available on request
- Standard product is adhesive lined, tubes without adhesive are available on request.
- Standard packaging is 1.22m/pc
- Please provide specification, color, and quantity when ordering

Cross reference

- Raychem/ Tyco :BSTS-FR/ SST-FR



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