PF2D

Shrink Sleeve Polyolefin

Military Grade Flexible Highly Flame-Retardant Heat Shrink Polyolefin Tubing 2:1 Ratio

FEATURES

- A highly flexible, radiation cross-linked tubing used for insulating, jacketing and bundling of wire harnesses and components and mechanical protection.
- Made from highly flame-retardant polyolefin, it has excellent electrical, chemical and physical properties
- Operating temperature range -55℃ to 135℃
- Shrink temperature 135℃
- Shrink Ratio 2:1
- Flexible Polyolefin
- UL Recognised Component* & meets Military standards

TECHNICAL DATA

PROPERTY		TEST METHOD	VALUES
Physical	Tensile Strength	ASTM D 638	10.4 MPa min.
	Ultimate Elongation	ASTM D 638	200% min.
	Tensile strength after heat aging (Mpa)	ASTM D 2641	≥7.3
	Ultimate elongation after heat aging (Mpa)	175°C, 168Hrs	≥100
	Heat Shock	UL 224	No cracking, flowing, dropping
	Water Absorption	ISO 62	Max 0.5
	Cold Bend Test	UL 224	No cracking
Chemical	Flammability	UL 224	Pass
	Copper Corrosion	UL 224	No corrosion
Electrical	Dielectric Strength	ASTM D 2671	≥19.7
	Volume Resistivity	ASTM D 876	≥10^{14}

DIMENSIONS

ORDERING SIZE (mm)	MINIMUM EXPANSION (mm)	MAXIMUM RECOVERED INNER DIAMETER (mm)	MIN RECOVERED WALL THICKNESS (mm)	STANDARD REEL LENGTH (M)
1.2	1.2	0.60	0.38	200
1.6	1.6	0.80	0.40	200
2.4	2.4	1.20	0.48	200
3.2	3.2	1.60	0.48	200
4.8	4.8	2.40	0.48	100
6.4	6.4	3.20	0.56	100
9.5	9.5	4.80	0.62	100
12.7	12.7	6.40	0.62	100
19.0	19.0	9.50	0.69	100
25.4	25.4	12.7	0.89	50
38.1	38.1	19.1	1.00	50
50.8	50.8	25.4	1.10	25
76.2	76.2	38.1	1.20	25
101.6	101.6	50.8	1.35	25
127.0	127.0	60.0	1.40	25
152.4	152.4	75.0	1.40	25

SPECIFICATION REFERENCES

UNDERWRITERS LAB	MILITARY APPROVAL	FLAME RETARDANT	COMPLIANCE
UL 224 VW1 FILE NO. E540573	SAE-AMSDTL 23053/5* Class1(colors); Class 2(clear)		RoHS compliant REACH

ORDERING

Comes in a wide range of colours and is normally supplied in in reels and can be cut to length.

COLOURS:

Black (BK), Red (RD), Yellow (YW), Blue (BU), Green (GN), Clear(HC).

ORDER CODE:

Product Size Colour
PF2D   ___ ____
Example: 3.2mm ID Black is PF2D 3.2 BK

* Not including Clear