

Flexible Flame Retardant Polyolefin Tubing Low Fire Hazard 2:1 Ratio



A highly flexible, no added halogens tubing used for insulating, jacketing and bundling of wire harnesses and components. Made from flame retardant polyolefin, it has excellent electrical, chemical and physical properties.

- Operating Temperature Range -30°C to 125°C
- Shrink Temperature 100°C
- Shrink Ratio 2:1
- Zero Halogen
- DEF STAN, BS, UL Approvals

Shrink Sleeve

The Worldwide Tubing Solution

Shrink Sleeve Limited is a leading company providing electrical and mechanical heat shrink tubes for a variety of industries and applications. Starting from products created by extensive developmental research. Shrink Sleeve Limited continues to respond to needs of customers and aims to become one of the most powerful heat shrink tube brands in the 21st Century.

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Technical Data

Property	Test Method	Values
Tensile Strength	ISO 37	7 MPa min.
Ultimate Elongation	ISO 37	200% max.
Specific Gravity	ISO 1183	1.4 max.
Heat Shock	ASTM D 2671 (4hrs at 175°C)	No dripping, cracking or Flowing
Heat Ageing	ISO188(168hrs at 135°C)	
Ultimate Elongation	ISO 37	150% min.
Low Temperature	ASTM D 2671	No cracking
Flexibility	(4hrs at -30°C)	
Flammability(Except Clear)	ASTM D 876	Pass
Electric Strength	ICE 243	15KV/mm min.
Corrosion(Copper Contact)	ASTM D 2671	No corrosion
Water Absorption	ISO 62	0.5% max
Fluid Resistance	ISO 1817	
Tensile Strength	ISO 37	4 MPa min.
Ultimate Elongation	ISO 37	100% min.
Oxygen Index at Ambient Temp.	ISO 4589-2	32 Max.
Smoke Index	ICE 60684-2	20 MAX.
Toxicity Index	ICE 60684-2	5 Max. per 100g
Fungus Resistance	ICE 60684-2	2 Max.

Specification References

MILITARY BRITISH STANDARD UNDERWRITERS LAB FLAME RETARDANT
DEF STAN 59-97 BS 4G-198 Pt. 3 Type 15 UL 224 VW1 600V, 125  

Dimensions

ORDERING No. size ref (mm)	MINIMUM EXPANSION (mm)	MAXIMUM RECOVERED (mm)	FULLY RECOVERED WALL (mm)	STANDARD REEL LENGTH (M)
1.2	1.2	0.65	0.44	150
1.6	1.6	0.85	0.45	150
2.4	2.4	1.00	0.50	150
3.2	3.2	1.50	0.50	150
4.8	4.8	2.30	0.50	150
6.4	6.4	3.00	0.65	75
9.5	9.5	4.50	0.65	75
12.7	12.7	6.00	0.75	75
19.0	19.1	9.00	0.90	60
25.4	25.4	12.5	1.00	30
38.1	38.1	20.0	1.00	30
50.8	50.8	25.0	1.15	30
76.2	76.2	38.1	1.25	30
102	102	51.0	1.40	30
120	120	61.0	1.50	15
150	150	75.0	1.52	15

Colour : Black (BK), Red (RD), Yellow (YW), White (WT),
Blue (BU), Green (GN), Grey(GY) and Clear (CR)
Clear is not UL approved & Max. 105°C working Temp.

Order : Product Size Colour
PFZH — —
Ex. 3.2mm ID Black - PFZH 3.2 BK