

sofamel

Product Technical Specifications

Mod. TPF

Thin-walled universal heat shrink tube



Functionality

Thin-walled heat shrink tube without adhesive suitable for a variety of low voltage electrical and mechanical applications, where lighter weight and greater flexibility are important.

Características del Producto

- Protects cable splices and terminations.
 - Flame retardant.
 - 2:1 Shrink ratio.
 - High resistance to impact and abrasion.
- Continuous operating temperature:
-55°C to 125°C
- Shrinkage temperature: 110°C

Chemical Features

Property	Test Method	Results
Corrosive Action	ASTM-D 2671 Meth. A	Non corrosive
Copper Compatibility	ASTM-D 2671 Meth. B	Non corrosive
Chemical Resistance		Good
Water Absorption	VDE 0472	0,15%

Electrical Features

Property	Test Method	Results
Dielectric Strength	VDE 0303 Part 2	24 kV/mm
Volume Resistivity	VDE 0303 Part 3	$10^{15} \Omega \times \text{cm}$



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Physical Features

Property	Test Method	Results
Tesile Strength	IEC 60684-2	15 MPa
Elongation	IEC 60684-2	450%
Langitudinal Change	ASTM-D 2671	±10% max.
Secant Modulus	ASTM-D 882	175 MPa max.
Specific Gravity	ASTM-D 792, A-I	1,25 g/cm ³
Elongation after Heat Aging (168 hrs to 158°C)	UL 224	300%
Tensile Strength after Heat Aging (168 hrs to 158°C)	UL 224	12 MPa
Elongation after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	400%
Tensile Strength after Heat Shock (4 hrs at 200°C)	IEC 811-1-2	13 MPa
Low Temperature Flexibility	ASTM-D 2671 Meth. C	Does not break at -55°C
Fammability	UL 224 (coloured) FMVSS 302 (clear)	Flame retardant

Dimensions

Ref.	Shrinkage (Ø mm)	Thickness (mm)	Length (m)
TPF-2,4/1,2	2,4 to 1,2	0,5	10
TPF-3,2/1,6	3,2 to 1,6	0,5	10
TPF-4,8/2,4	4,8 to 2,4	0,5	8
TPF-6,4/3,2	6,4 to 3,2	0,6	6
TPF-9,5/4,8	9,5 to 4,8	0,6	5
TPF-12,7/6,4	12,7 to 6,4	0,6	5
TPF-19/9,5	19 to 9,5	0,8	4
TPF-25,4/12,7	25,4 to 12,7	0,9	3

Datos sujetos a cambios
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Las especificaciones están sujetas a cambios sin previo aviso.