

# sofamel

Product Technical Specifications

## Model TPF

Thin wall universal heat shrink tubing

### Functionality

Adhesive-free thin wall heat shrink tubing suitable for a variety of low voltage electrical and mechanical applications where lighter weight and greater flexibility are important.

### Product Features

- Seals and protects cable splices and terminations.
- Flame retardant.
- 2:1 shrink range
- High impact and abrasion resistance.
- Continuous operating temperature: -55°C to 125 °C.
- Shrinkage temperature: 110°C - 125 °C
- Halogen free





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#### Characteristics

Characteristics	Propiedad		Property Test Method	Standard
Physical	Tensile strength (MPa)		UL224	≥10,4
	Elongation (%)		UL224	≥200
	Tensile strength after aging (MPa)		UL224 a 158°Cx168h	≥7,3
	Elongation after aging (%)		UL224 a 158°Cx168h	≥100
	Thermal shock		UL224	No viscosity No cracking
	Low temperature flexibility		UL224 a -30°Cx1h	Non-breaking
Electrical	Dielectric	300V	UL224 a 1500V 1min	No failure
	Resistance	600V	UL224 a 2500V 1min	No failure
	Dielectric strength (KV/mm)		UL224	≥15
	Volumetric strength (Ω x cm)		UL224	≥1x10 <sup>14</sup>
Chemical	Anti-corrosion		UL224 a 158°Cx168h	Pass
	Flammability		ASTM D2671 C	Pass



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### Dimensions

Code	Ref.	Contraction Ø mm	Colour	Length (m)	Thickness (mm)
376100	TPF-2,4/1,2 N	2,4 to 1,2	Black	10	0,50
376110	TPF-2,4/1,2 A		Blue	10	0,50
376120	TPF-2,4/1,2 G		Grey	10	0,50
376130	TPF-2,4/1,2 M		Brown	10	0,50
376140	TPF-3,2/1,6 N	3,2 to 1,6	Black	10	0,50
376150	TPF-3,2/1,6 A		Blue	10	0,50
376160	TPF-3,2/1,6 G		Grey	10	0,50
376170	TPF-3,2/1,6 M		Brown	10	0,50
376180	TPF-4,8/2,4 N	4,8 to 2,4	Black	8	0,50
376190	TPF-4,8/2,4 A		Blue	8	0,50
376200	TPF-4,8/2,4 G		Grey	8	0,50
376210	TPF-4,8/2,4 M		Brown	8	0,50
376220	TPF-6,4/3,2 N	6,4 to 3,2	Black	6	0,60
376230	TPF-6,4/3,2 A		Blue	6	0,60
376240	TPF-6,4/3,2 G		Grey	6	0,60
376250	TPF-6,4/3,2 M		Brown	6	0,60
376260	TPF-9,5/4,8 N	9,5 to 4,8	Black	5	0,60
376270	TPF-9,5/4,8 A		Blue	5	0,60
376280	TPF-9,5/4,8 G		Grey	5	0,60
376290	TPF-9,5/4,8 M		Brown	5	0,60
376300	TPF-12,7/6,4 N	12,7 to 6,4	Black	5	0,60
376310	TPF-12,7/6,4 A		Blue	5	0,60
376320	TPF-12,7/6,4 G		Grey	5	0,64
376330	TPF-12,7/6,4 M		Brown	5	0,64
376340	TPF-19,1/9,5 N	19,1 to 9,5	Black	4	0,80
376350	TPF-19,1/9,5 A		Blue	4	0,80
376360	TPF-19/9,5 G		Grey	4	0,80
376370	TPF-19/9,5 M		Brown	4	0,80
376380	TPF-25,4/12,7 N	25,4 to 12,7	Black	3	0,90

### Certification

Complies with:

**RoHS:** Restriction of Hazardous Substances

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



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