

61742455	DATA SHEET
Valid from: 09.11.2018	Shrink tube PROTECT-T

Shrink tubes PROTECT-T



General Description:

Heavy wall, dual wall, polyolefin heat shrink tubing with a very strong adhesive to achieve both excellent mechanical and environmental protection and insulation of various telecom and power applications.

Technical data:

- Maximum mechanical impact and abrasion resistant
- Strong and perfectly encapsulating adhesive
- High shrink ratio
- Halogen free
- UV resistant
- Shrink temperature $> 110^{\circ}\text{C}$
- Operating temperature -40°C to $+120^{\circ}\text{C}$
- Standard available in 1 meter lengths

Dimensions:

Size mm	Min. ID supplied mm	Max. ID recovered mm	Recovered wall thickness (NOM) mm
13/4	13	4	2.65
19/6	19	6	2.65
30/8	30	8	3.30
45/13	45	13	3.70
52/16	52	16	4.10
72/22	72	22	4.10
92/29	92	29	4.10
115/35	115	35	4.20
130/45	130	45	4.20
160/55	160	55	4.20
180/55	180	55	4.20
200/60	200	60	4.20

Normative:

ISO 8580 UV Resistance

Colour:
Black

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Physical properties:

Description	Test method	Typical value
Tensile strength	ASTM D 638	12 N/mm ²
Elongation at break	ASTM D 638	400%
Longitudinal change	ASTM D 2671	-10% to 0%
Water absorption	ASTM D 570	0.12%
Specific gravity	ASTM D 792	1.08

Electrical properties:

Description	Test method	Typical value
Dielectric strength	ASTM D 2671	15 kV/mm
Volume resistivity	ASTM D 257	10 ¹⁴ ohm cm
Adhesive properties		
Water penetration	-	No penetration after 235 hours immersion at 23°C
Softening point	ASTM E28	90°C
Peel strength ASTM D1000	PE	7 N/ mm
	Aluminium	7 N/ mm

Chemical properties:

Description	Test method	Typical value
Fungus resistance	ISO R 46 (A)	rate I
Copper corrosion	ASTM D 2671 B	no corrosion
UV Resistance 500 hours at 60°C	ISO 8580	no cracking, no color change

Thermal properties:

Description	Test method	Typical value
Heat shock 4 hours at 225°C	ASTM D 2671	no dripping, cracking or flowing
Heat aging 168 hours at 150°C	ASTM D 638	elongation 300%
Low temp. flexibility at -55°C	ASTM 2671 C	no cracking

Foot note:

Photographs are not to scale and do not represent detailed images of the respective products.