

MIBO-TUBE

DUAL-WALL POLYOLEFIN HEAT SHRINK TUBING WITH HIGH SHRINK RATIO AND HOT MELT POLYAMID ADHESIVE COATING

APPLICATION

Insulation, protection and sealing of connectors, solder and crimp splices and electrical components in areas where liquids are present. Corrosion protection of metal components (tubing, pipes etc.).

OPERATING TEMPERATURE

-55° C to +110° C, short time +225° C

SHRINK RATIO

3:1 and 4:1

SHRINK TEMPERATURE

+110° C

STANDARD COLORS

Black

STANDARD SIZES

Description	Inner diameter (mm)		Wall thickness (mm)
3:1	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
mibotube-3/1	3,0	1,0	0,95
mibotube-4,5/1,5	4,5	1,5	1,10
mibotube-6/2	6,0	2,0	1,20
mibotube-9/3	9,0	3,0	1,30
mibotube-12/4	12,0	4,0	1,40
mibotube-19/6	19,0	6,0	1,80
mibotube-24/8	24,0	8,0	2,50
mibotube-40/13	40,0	13,0	2,50
4:1	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
mibotube-4/1	4,0	1,0	1,00
mibotube-8/2	8,0	2,0	1,20
mibotube-12/3	12,0	3,0	1,40
mibotube-16/4	16,0	4,0	1,80
mibotube-24/6	24,0	6,0	2,20
mibotube-32/8	32,0	8,0	2,50

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PACKAGING

Cut-Lengths of 1200 mm in bags/boxes. Spools and non standard sizes on request.

Attributes	Testing	Requirement / Typical Value
Mechanical Tensile strength Ultimate elongation Longitudinal change Secant Modulus	ASTM D 638 ASTM D 638 SAE-AMS-DTL-23053 ASTM D 882	Min. 10,4 MPa / ≥ 15 MPa Min. 200% / $\geq 350\%$ +1% to -15% / $\geq -7\%$ Max. 173 MPa / 65 MPa MPa
Thermal Heat Shock (4h x 250° C) Elongation after heat ageing (175° C x 168h) Cold Impact (4h x -55° C) Copper Corrosion (16h x 158° C) Colour Stability (24h x 175° C)	SAE-AMS-DTL-23053 SAE-AMS-DTL-23053 SAE-AMS-DTL-23053 SAE-AMS-DTL-23053 SAE-AMS-DTL-23053	No cracking, flowing or dripping / Pass Min. 100% / 220% No cracking / Pass No corrosion / Pass No change / Pass
Electrical Voltage Rating Dielectric Voltage Withstand (2,5 kV x 60 s) Volume Resistivity Dielectric Strength	UL 224 ASTM D 876 ASTM D 876	600V No breakdown / Pass Min. $10^{12} \Omega / \text{cm}$ / $\geq 10^{14} \Omega / \text{cm}$ Min. 11,8 kV/mm / ≥ 20 kV/mm
Chemical Water Absorption Flammability	ASTM D 570 ASTM D 2671 (B)	Max. 1% / $\geq 0,5\%$ Max. 60 Sek. / Pass

PROCESSING NOTE

When cutting, pay attention to smooth cutting edges.

Always start shrinking at one end. Preheat to shrinking metal body.

HOW TO REACH US

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