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MIL

GSHS-3635W Flexible Dual-wall Polyolefin Tubing

Heat Shrink

Section 05.

0800 GET OHUG

Special Features

- > Narrow size range that covers a wide range of diameters, allowing reduced inventory.
- > It can accommodate irregular or jagged shapes.
- > It has excellent flame retardance, flexibility, and insulation.

Application

- > Suitable for various electric insulation, strain relief, and bonding of cables and connectors and widely applied for interconnection or termination.
- > Light-duty harnessing, jacketing, bundling, and color coding of electric wires.
- > Upon application of heat over 110°C, Adhesive line meltable.

Key Specifications

- > Operating temperature range : -55°C ~ 135°C (Crosslinked outer wall)
- > Flammability : UL VW-1, CSA OFT (Outside layer only, except clear products)
- > Minimum shrink temperature : 120°C
- > Shrink ratio : 67% or more in radial direction

Standards:

UL 224 (File No. E153276 : 600V, 125°C, except clear products) AMS-DTL/4 Class 3



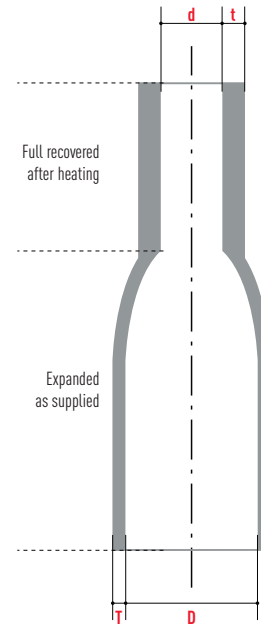
Properties		Values	Test Methods
Physical	Unaged	Tensile strength	Min. 1.1kgf/mm ²
		Elongation	Min. 200%
	Aged	Tensile strength	Min. 0.8kgf/mm ²
		Elongation	Min. 100%
	Heat shock	Pass @250°Cx4hrs	MIL 23053
	Low temperature flexibility	No crack @ -55°Cx4hrs	MIL 23053
Secant modulus	Max. 173MPa	ASTM D 882	
Electrical	Dielectric strength	Min. 19.7kV/mm	ASTM D 2671
	Volume resistivity	Min. 1x10 ¹⁴ Ω-cm	ASTM D 876
Chemical	Fluid resistance	Tensile strength	Min. 0.7kgf/mm ²
		Dielectric strength	Min. 15.8kV/mm
	Copper corrosion	No corrosion	MIL 23053
	Copper mirror corrosion	No corrosion	175°C/16hrs
	Flammability	Pass	ASTM D 2671 Procedure B
	Fungus resistance	Pass	ASTM G 21

Available Colours



Black

Red (POA)



Dimension

> Size range : 3 ~ 38 mm (1/8 ~ 1.5 inch).

Product Code	Inside Diameter (mm)		Wall Thickness (mm)			Standard Length (m)
	as supplied D	after recovery Max. d	as supplied Nom. T	After Recovery		
				Total Min. t1	Total Min. t2	
GSHS-3635W 3.2	3.2	1.0	0.53	1.00	0.40	1.2
GSHS-3635W 4.8	4.8	1.6	0.48	1.00	0.50	1.2
GSHS-3635W 6.4	6.4	2.1	0.45	1.00	0.59	1.2
GSHS-3635W 9.6	9.6	3.2	0.50	1.20	0.65	1.2
GSHS-3635W 12.7	12.7	4.2	0.50	1.35	0.79	1.2
GSHS-3635W 19.1	19.1	6.4	0.77	2.00	1.09	1.2
GSHS-3635W 25	25.4	8.4	0.70	2.00	0.93	1.2
GSHS-3635W 38	38.1	12.7	0.76	2.00	1.20	1.2