



Features/Applications

GREMTUBE® GMW-FR and GMWA-FR are medium wall, flame retardant, cross linked Polyolefin heat shrink tubing (GMW-FR), with adhesive (GMWA-FR).

GREMTUBE® GMW-FR and GMWA-FR offer good electrical insulation properties, high resistance to impact and abrasion, and are UV resistant. The 3:1 shrink ratio allows the tubing to fit over irregular shapes and large connectors.

GREMTUBE® GMW-FR and GMWA-FR are suitable for a variety of low voltage (up to 15 kV) electrical equipment and cable connections in wet environments such as marine vessels, offshore oil platforms, shipyard and harbor applications.

Various

Standard colours: Black.

Specifications

UV resistant.

Dimensions



Reference GREMTUBE® GMW-FR / GMWA-FR	As supplied (mm)	After full recovery (mm)		Standard Length (m)
	Inside Diameter Min. (D)	Inside Diameter Max. (d)	Total Wall Thickness Nom. (t)	
008,0	8,0	2,0	2,00	1,2
009,0	9,0	3,0	2,00	1,2
012,0	12,0	4,0	2,00	1,2
016,0	16,0	5,0	2,20	1,2
019,0	19,0	6,0	2,50	1,2
022,0	22,0	6,0	2,50	1,2
025,0	25,0	8,0	2,50	1,2
028,0	28,0	6,0	2,50	1,2
033,0	33,0	8,0	2,50	1,2
035,0	35,0	12,0	2,50	1,2
040,0	40,0	12,0	2,50	1,2
045,0	45,0	13,0	2,50	1,2
055,0	55,0	16,0	2,70	1,2
065,0	65,0	19,0	2,80	1,2
075,0	75,0	22,0	3,00	1,2
085,0	85,0	25,0	3,00	1,2
095,0	95,0	25,0	3,00	1,2
115,0	115,0	34,0	3,00	1,2
130,0	130,0	36,0	3,00	1,2
140,0	140,0	42,0	3,00	1,2
160,0	160,0	50,0	3,00	1,2
175,0	175,0	58,0	3,00	1,2
200,0	200,0	65,0	3,00	1,2
230,0	230,0	75,0	3,00	1,2
260,0	260,0	85,0	3,00	1,2

● Cut pieces are available on request

Property

		Values	Test Methods
Physical	Working temperature	-55°C to +105°C	-
	Longitudinal change	-10% to 0%	-
	Tensile strength	Unaged	≥ 10,4 MPa
	Elongation at break	Unaged	≥ 350%
	Tensile strength	Aged (168h @ 158°C)	≥ 10,4 MPa
	Elongation at break	Aged (168h @ 158°C)	≥ 300%
	Heat shock (Outer jacket)	4h @ 250°C	No dripping or flowing
	Low temperature flexibility	4h @ -40°C	No cracking
	Flammability (Outer jacket)	VW-1	UL 224
Electrical	Dielectric strength	≥ 15 kV/mm	ASTM D 2671
	Volume resistivity	≥ 10 ¹⁴ Ω.cm	ASTM D 2671
Adhesive	Peel strength to steel	80 N/25 mm	ASTM D 2671
	Peel strength to XLPE	110 N/25 mm	ASTM D 2671

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 35°C) and in closed container.

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Whilst every attempt is made to provide data that is as accurate as possible the values provided should be treated as a guide only. It remains the responsibility of the user to test the product and determine suitability. GREMTEK shall not be held responsible for any loss or defect resulting from incorrect, improper or inappropriate use of this product.