



Features/Applications

GREMTUBE® G53 is a flexible, flame retardant, irradiated polyolefin heat shrink tubing.

GREMTUBE® G53 has excellent insulation properties.

GREMTUBE® G53 is suitable for electrical insulation, strain relief, bonding of cables and connectors and is widely used for joints or terminations.

Various

Standard colours: Black, Red, Blue, Green, Yellow, White, Clear.

Special sizes and colours available on request.

Specifications

Railway approved EN 45545-2.

UL 224, File N°E328344: VW-1, 600V (AC), 125°C. (Except clear product)



Dimensions

Reference	As supplied (mm)	After recovery (mm)		Standard Length (m)
GREMTUBE® G53	Inside Diameter (D)	Inside Diameter (d)	Wall Thickness (t)	Spool
000,8	1,10 ±0,2	≤ 0,50	0,33 ±0,10	200
001,0	1,50 ±0,2	≤ 0,65	0,36 ±0,10	200
001,5	2,00 ±0,2	≤ 0,85	0,36 ±0,10	200
002,5	3,00 ±0,2	≤ 1,30	0,45 ±0,10	200
003,0	3,50 ±0,2	≤ 1,50	0,45 ±0,10	200
004,5	5,00 ±0,2	≤ 2,30	0,56 ±0,10	100
006,0	6,50 ±0,2	≤ 3,00	0,56 ±0,10	100
009,0	9,50 ±0,3	≤ 4,50	0,56 ±0,10	100
012,0	12,5 ±0,3	≤ 6,00	0,56 ±0,10	100
015,0	15,5 ±0,4	≤ 7,50	0,70 ±0,10	100
018,0	19,0 ±0,5	≤ 9,00	0,70 ±0,10	100
025,0	26,0 ±0,5	≤ 12,50	0,90 ±0,15	50
030,0	31,5 ±1,0	≤ 15,00	1,00 ±0,15	50
040,0	41,5 ±1,0	≤ 20,00	1,00 ±0,15	50
050,0	≥ 50	≤ 25,00	1,10 ±0,20	25

• Spools as standard, cut pieces available on request

Property

Property		Values	Test Methods
Physical	Working temperature	-55°C to +125°C	-
	Longitudinal change	±5%	-
	Tensile strength	Unaged	≥ 10,4 MPa
	Elongation at break		≥ 200%
	Tensile strength	Aged 168h @ 158°C	≥ 7,3 MPa
	Elongation at break		≥ 100%
	Heat shock		No cracking
	Cold Blend	1h @ -30°C	No cracking
	Flammability, Smoke & Toxicity	Procedure C	VW-1
			R22 - HL3
Electrical	Dielectric strength	≥ 15 kV/mm	UL 224
	Dielectric withstand	60s @ 2500V	No Breakdown
	Volume resistivity	≥ 10 ¹⁴ Ω.cm	UL 224
Chemical	Copper stability	168h @ 158°C	Pass
	Anti Corrosion	168h @ 158°C	Pass

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 45°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.