



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)
	Inside Diameter (D)	Inside Diameter (d)	Wall Thickness (t)	Spool
GREMTUBE® G53				
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	150
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	150
006,0	6,50 ±0,2	≤ 3,00	0,56 ±0,10	150
009,0	9,50 ±0,3	≤ 4,50	0,56 ±0,10	75
012,0	12,5 ±0,3	≤ 6,00	0,56 ±0,10	50
015,0	15,5 ±0,4	≤ 7,50	0,70 ±0,10	50
018,0	19,0 ±0,5	≤ 9,00	0,70 ±0,10	30
025,0	26,0 ±0,5	≤ 12,50	0,90 ±0,15	30
030,0	31,5 ±1,0	≤ 15,00	1,00 ±0,15	30
040,0	41,5 ±1,0	≤ 20,00	1,00 ±0,15	30
050,0	≥ 50	≤ 25,00	1,10 ±0,20	30

• 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
Dielectric withstand	60s @ 2500V	No Breakdown
Volume resistivity		≥ 10 ¹⁴ Ω.cm
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.