



Features/Applications

GREMARK® PG53 3X is a flat printable, flame retardant, polyolefin heat shrink tubing. GREMARK® PG53 3X offers an excellent solution for cable identification and meets the highest requirements in railway, military and industrial sectors. GREMARK® PG53 3X is suitable for electrical cable insulation and for identifying cables and wires. It is widely used in the railway, automotive, industrial and military sector.

Various

Standard colours: Black, Red, Blue, Green, Yellow, White, Clear.
Special sizes and colours available on request.

Specifications

Railway approved EN 45545-2.

Preferred printer / ribbon combination

- To be used with the GREMTEK printing system
- Thermal transfer printer type SQUIX 4 (one side) or XDQ4 (double side)
- Thermal transfer ribbon type GR-TT6100

Dimensions



Reference	As supplied (mm)	After recovery (mm)		Standard Length (m)
	Inside Diameter (D)	Inside Diameter (d)	Wall Thickness (t)	Spool
GREMARK® PG53 3X				
003,0	≥ 3,00	≤ 1,0	0,55 ±0,10	50
004,5	≥ 4,50	≤ 1,5	0,60 ±0,10	50
006,0	≥ 6,00	≤ 2,0	0,65 ±0,10	50
009,0	≥ 9,00	≤ 3,0	0,75 ±0,15	75
012,0	≥ 12,0	≤ 4,0	0,75 ±0,15	50
015,0	≥ 15,0	≤ 5,0	0,80 ±0,15	50
018,0	≥ 18,0	≤ 6,0	0,85 ±0,15	30
024,0	≥ 24,0	≤ 8,0	1,00 ±0,20	30

•Spools as standard, cut pieces available on request

Property

		Values	Test Methods	
Physical	Working temperature	-55°C to +125°C	-	
	Longitudinal change	±5%	-	
	Tensile strength	Unaged	≥ 10,4 MPa	UL 224
	Elongation at break		≥ 200%	
	Tensile strength	Aged 168h @ 158°C	≥ 7,3 MPa	UL 224
	Elongation at break		≥ 100%	
	Heat shock		No cracking	UL 224
	Cold Blend	1h @ -30°C	No cracking	UL 224
	Flammability, Smoke & Toxicity	Procedure C	VW-1	UL 224
			R22 - HL3	EN 45545-2
Electrical	Dielectric strength	≥ 15 kV/mm	UL 224	
	Dielectric withstand	60s @ 2500V	No Breakdown	UL 224
	Volume resistivity	≥ 10 ¹⁴ Ω.cm		UL 224
Chemical	Copper stability	168h @ 158°C	Pass	UL 224
	Anti Corrosion	168h @ 158°C	Pass	UL 224

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.