



Features/Applications

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

Various

Standard colours: Yellow. Other colours available on request.
Exists also in high ratio 2:1

Specifications

Railway approved EN 45545-2 R24 & EN 50343.
Meets ASTM, SAE-AMS-DTL-23053/6 class 1.

Preferred printer / ribbon combination

- To be used with the GREMTEK printing system
- Thermal transfer printer type SQUIX 4 (one side) or XD4 (double side)
- Thermal transfer ribbon type GR-TT6900



Dimensions

Reference <i>GREMARK® PGDR 3X</i>	As supplied (mm)	After recovery (mm)		Standard Length (m/spool)
	Inside Diameter Min. (D)	Inside Diameter Max. (d)	Wall Thickness Min. (t)	
002,4	2,7	0,8	0,55	25
003,2	3,5	1,1	0,55	25
004,8	5,1	1,6	0,64	25
006,4	6,8	2,4	0,69	25
009,5	10,0	3,2	0,74	25
012,7	13,2	4,8	0,77	25
019,1	19,7	6,4	0,83	25
025,4	26,1	8,5	0,83	25
038,1	39,2	12,9	0,88	25
050,8	52,1	17,2	0,87	25
076,2	78,3	25,8	0,94	25

•Spools as standard, cut & marked pieces available on request

Property	Values	Test Methods
Physical		
Working temperature	-55°C to +135°C	-
Longitudinal change	±10%	-
Tensile strength	Unaged	≥ 13,8 MPa
Elongation at break		≥ 200%
Tensile strength	Aged (168h @ 175°C)	≥ 11,1 MPa
Elongation at break		≥ 100%
Heat shock	4h @ 250°C	No crack
Low temperature flexibility	4h @ -55°C	No crack
Marking resistance	Pass	EN 50343 Annex H
Flammability, Smoke & Toxicity	Procedure B/C	VW-1 IEC 60332
		R24 EN 45545-2
Electrical		
Dielectric strength	≥ 19,7 kV/mm	ASTM D 2671
Volume resistivity	≥ 10 ¹⁴ Ω.cm	ASTM D 876
Chemical		
Copper corrosion	168h @ 175°C	No corrosion
		AMS-DTL-23053

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 50°C) and in closed containers.



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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.