

## **IDENTIFICATION SYSTEMS** GREMARK® PG61 3X

High shrink ratio, flattened heat shrink tubing























GREMARK® PG61 3X is a flat printable, flame retardant, polyolefin heat shrink tubing. GREMARK® PG61 3X offers an excellent solution for cable identification and meets the highest requirements in railway, military and industrial sectors.

GREMARK® PG61 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.



Standard colours: White, yellow. Other colours available on request.

## **Specifications**

SNCF NF F00-608 & EN 45545-2 approved.

Meets MIL-I-23053/5 Class 1&3.

## 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-TT6100



## Dimensions

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	Reference	As supplied (mm)	After recovery (mm)		Standard Length			
	GREMARK® PG61 3X	Inside Diameter Min. (D)	Inside Diameter Max. (d)	Wall Thickness Min. (t)	(m/spool)			
	001,5	1,5	0,5	0,40	75			
	003,0	3,0	1,0	0,50	75			
	004,5	4,5	1,5	0,54	75			
	006,0	6,0	2,0	0,59	75			
	009,0	9,3	3,0	0,68	75			
	012,0	12,3	4,0	0,68	50			
	018,0	18,0	6,0	0,77	50			
	024,0	24,0	8,0	0,90	50			

Spools as standard, cut & marked pieces available on request

Property			Values	Test Methods
Physical	Working temperature		-55°C to +135°C	-
	Longitudinal change		±5%	-
	Tensile strength	Unagod	≥ 10,4 MPa	UL 224
	Elongation at break	Unaged	≥ 200%	
	Tensile strength	Aged (168h @ 175°C)	≥ 7,8 MPa	UL 224
	Elongation at break		≥ 100%	
	Heat shock	4h @ 250°C	No crack	UL 224
	Low temperature flexibility	4h @ -55°C	No crack	UL 224
	Flammability,	Procedure B/C	Pass	UL 224
	Smoke & Toxicity		R24	EN 45545-2
Electrical	Dielectric strength	,	≥ 20 kV/mm	ASTM D 2671
	Volume resistivity		$\geq 10^{14} \ \Omega.cm$	ASTM D 876
Chemical	Copper corrosion	168h @ 175°C	No corrosion	UL 224

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

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30/09/2015 Rev2

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. IS Sommer