GREMARK® PGDR 135

Semi-rigid, diesel oil resistant polyolefin tubing

Features/Applications

GREMARK® PGDR 135 is a flat printable, flame retardant, diesel resistant polyolefin heat shrink tubing in a spool, for cable identification systems.
GREMARK® PGDR 135 is suitable for identifying cables and wires in electrical cabinets, cable harness assemblies for railway applications.

Various

Standard colours: White, Yellow.

Specifications

SNCF NF F00-608, MRT.H approved.
ASTM, SAE-AMS-DTL-23053/6 class 1

Preferred printer/ribbon combination

To be used with the Gremtek printing system
- Thermal transfert printer type A4+M (one side) or XD4M (double side)
- Thermal transfert ribbon type GR-TT6900

Dimensions

Reference	As supplied (mm)	After recovery (mm)		Standard Length (m/spool)
GREMARK® PGDR 135	Inside Diameter Mini. (D)	Inside Diameter Maxi. (d)	Wall Thickness (t)	
3/32	2,4	0,80	0,50	150
1/8	3,2	1,10	0,50	150
3/16	4,8	1,60	0,55	60
1/4	6,4	2,10	0,55	60
3/8	9,5	3,20	0,60	60
1/2	12,7	6,40	0,40	60
3/4	19,1	9,50	0,46	60
1	25,4	12,7	0,50	60
1-1/4	31,8	15,9	0,65	60
1-1/2	38,1	19,1	0,65	60
2	50,8	25,4	0,65	60

●Spools as standard, cut pieces available on request

Property		Values	Test Methods
Physical	Longitudinal change	-5 +10%	SAE-AMS-DTL-23053
	Specific gravity	1,25	ASTM D 792
	Tensile strength	≥ 15 MPa	ASTM D 638
	Elongation at break	≥ 375%	ASTM D 638
	Secant modulus	Min. 173 MPa	ASTM D 882
Thermical	Working temperature	-55°C up to +135°C	SAE-AMS-DTL-23053
	Heat Shock (250°C x 4h)	no crack, flowing or dripping	SAE-AMS-DTL-23053
	Elongation after heat ageing (175°C x 168h)	≥ 300%	ASTM D 638
	Low temperature flexibility (-55°C x 4h)	no cracking	SAE-AMS-DTL-23053
	Copper Corrosion (175°C x 16h)	no corrosion	SAE-AMS-DTL-23053
Electrical	Volume Resistivity	≥ 10^{15} Ω·cm	ASTM D 876
	Dielectric Strength	≥ 30 kV/mm	ASTM D 876
Chemical	Flammability Procedure B	Pass	ASTM D 2671
	Water Absorption	< 0,5%	ASTM D 570
	Fluid Resistance (after immersion 23°C x 24h)	Mini. 6,9 MPa (Tensile Strength)	SAE-AMS-DTL-23053
	Fluid Resistance (after immersion 23°C x 24h)	Mini. 15,8 kV/mm (Dielectric Strength)	SAE-AMS-DTL-23053
	Diesel oil resistance	Min. 7 MPa (Tensile strength)	NF F00-608 (V=100±5 mm/min)
	Diesel oil resistance	Min. 200% (Elongation)	NF F00-608
	Mineral oil resistance	Req 5.5.3	NF F00-608
	Ozone resistance	Req 5.5.10	NF F00-608

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 35°C) and in closed containers.

RoHS REACH compliant

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