SPECIALTY PRODUCTS
GREMTUBE® GDR150
Diesel resistant, flexible, modified Elastomeric tubing

Temp. +150°C -75°C | Ratio 2:1 | Recovery Temp. +150°C | Halogen FREE | RoHS



Features/Applications

GREMTUBE® GDR150 is a high performance, flame retardant, specially formulated polymer heat shrink tubing.
GREMTUBE® GDR150 offers an excellent resistance to chemicals and mechanical characteristics while maintaining its flexibility.
GREMTUBE® GDR150 is suitable for use in high temperature environments and protects wires and cables from chemical and friction damage.
It is widely used in the military, aerospace, marine, industrial and railway sectors.

Various

Standard colours: Black.
Special sizes available on request.

Specifications

Meet to SAE AMS-DTL-23053/16
Under qualification process to VG 95343-5

Dimensions



Reference	As supplied (mm)	After full recovery (mm)		Standard Length (m/spool)
GREMTUBE® GDR150	Inside Diameter Min. (D)	Inside Diameter Max. (d)	Wall Thickness Nom. (t)	
003,2	3,2	1,6	0,76 ±0,20	200
004,8	4,8	2,4	0,84 ±0,20	100
006,4	6,4	3,2	0,89 ±0,20	100
009,5	9,5	4,8	1,02 ±0,25	50
012,7	12,7	6,4	1,22 ±0,25	25
019,1	19,1	9,5	1,45 ±0,30	25
025,4	25,4	12,7	1,78 ±0,30	25
038,1	38,1	19,0	2,41 ±0,40	25
050,8	50,8	25,4	2,79 ±0,40	25
076,2	76,0	38,0	3,18 ±0,50	15
101,6	100,0	51,0	3,60 ±0,70	15

●Spools as standard, cut pieces are available on request

Property			Values	Test Methods
Physical	Working temperature		-75°C to +150°C	IEC 216
	Longitudinal change		± 8%	-
	Tensile strength	Unaged	≥ 12MPa	SAE AMS-DTL 23053
	Elongation at break		≥ 400%	
	Tensile strength	Aged (168h @ 160°C)	≥ 8 MPa	SAE AMS-DTL 23053
	Elongation at break		≥ 220%	
	Tensile strength	Fluids (24h @ ≠ T°C) (diesel 70°C,Hydraulic 70°C, Lubricat 100°C)	≥ 10 MPa	SAE AMS-DTL 23053
	Elongation at break		≥ 300%	
	Density		≤ 1,5 g/ml	-
	Heat shock	4h @ 225°C	No cracking	SAE AMS-DTL 23053
	Low temperature flexibility	4h @ -65°C	No cracking	-
	Flammability	Procedure B	Pass	ASTM D 2671
Electrical	Dielectric strength		≥ 15 kV/mm	IEC 60243
	Volume resistivity		≥ 10^9 Ω.cm	SAE AMS-DTL 23053
Chemical	Copper corrosion	16h @ 121°C	No corrosion	SAE AMS-DTL 23053
	Fungus resistance		No growth	GJB150.10-86
	Water absorption		≤ 2 %	SAE AMS-DTL 23053

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Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 35°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.

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