

laminates

DELMAT Roving 68670

- ▶ **Good mechanical properties**
- ▶ **Good tracking resistance**
- ▶ **Low water absorption**
- ▶ **Excellent resistance to corrosion and usual solvents**

General description

DELMAT Roving 68670 is a laminate made of unidirectional glass roving and glass mat, bonded with a specific epoxy resin system.

RoHS Directive

Hazardous products listed in the EU-directive 2002/95/CE (ROHS-directive), §4 section 1, are not used as ingredients in this material.

Colour

yellow

Application

DELMAT Roving 68670 is recommended for applications requiring high mechanical properties, good electrical insulation, and good resistance to corrosion.

Examples:

- threaded rods for transformers
- probe holders in marine environment
- joints for rails...

Form of delivery

- DELMAT Roving 68670 is supplied in :
- Sheets : 2950 x 1330 mm for thicknesses 3 to 52 mm.
 - Machined parts according to drawing.
 - Threaded rods.

Von Roll has several well equipped workshops for the production of any machined or punched parts.

		Value	Test norm
Mechanical properties			
Tensile strength, //, at 23°C	MPa	600	ISO 527
Flexural strength at 23°C, flatwise	MPa	600	ISO 178
Flexural strength at 155°C, flatwise	MPa	400	ISO 178
Compressive strength at 23°C, flatwise	MPa	360	ISO 604
Notched impact strength, flatwise, Charpy Method	kJ/m ²	400	ISO 179
Bonding strength (10mm thick)	N	7000	ASTM D 229
Electrical properties			
Flatwise electric strength, step by step test, in oil at 90°C	kV/mm	14	IEC 60243-1
Comparative tracking index CTI	V	600	IEC 60112
Arc resistance	s	180	ASTM D 495
Physical properties			
Density	g/cm ³	1.9 ±0.1	ISO 1183 (method A)
Water absorption 24h 23°C	%	0.15	ISO 62 (method 1)
Thermal properties			
Temperature index (TI)		180	IEC 60216

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