

Laminates

Rigidiso® RI 40901

Composition: Rigidiso® RI 40901 is a solid rod made of epoxy-resin and glass fabric and meets the following standards:

EN 61212 EP GC 203
DIN 7735 HGW 2372.4

Properties: Rigidiso® RI 40901 is very well insulating until insulation class F (155°C), furthermore it meets very good mechanical properties.

Application: Rigidiso® RI 40901 is used as construction material with higher requirements to the insulation properties.

Delivery forms: Rigidiso RI® 40901 is available as solid rods in different thicknesses. Rigidiso RI® 40901 is available in a green colour.

Storage conditions: Rigidiso® RI 40901 is storable unlimited under normal conditions (20°C, 50% relative air humidity).

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Property	Test method	Unit	Value
Density	ISO 1183/A	g/cm ³	1,7 – 1,9
Flexural strength	ISO 178	MPa	350
Elasticity module	ISO 178	MPa	18 x 10 ³
Tensile strength	ISO 527	MPa	200
Limiting temperature	IEC 216	°C	155
Insulation class	-	-	F
Tracking resistance	DIN/IEC 112	-	180
Volume resistivity	DIN 53482	Ω	5 x 10 ¹⁰
High Voltage Resistance in Parallel	DIN 53481	kV	40
High Voltage Resistance in Vertical	DIN 53481	kV	30
Dielectric Dissipation Factor at 1 MHz	DIN 53483	-	0,05
Water absorption (4 mm thick)	DIN 53495	-	small

Trademark Information: Rigidiso® is a registered trademark of the company Dr. Dietrich Müller GmbH, Germany.

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Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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