

Laminates

Rigidiso® RI 40800

Composition: Rigidiso® RI 40800 is a round tube which is made of glass cloth impregnated with epoxy resin.

Rigidiso® RI 40800 meets the following standards:

EN 61212 EP GC 21

DIN 7735 HGW 2375

Property: Rigidiso® RI 40800 has very good mechanical, thermal and electrical properties, is environmentally neutral, asbestos-, dioxin-, cadmium- and halogen-free. Rigidiso® RI 40800 is designed in accordance with flammability class UL 94 level HB.

Application: Rigidiso® RI 40800 is used in all areas of the electro industry.

Standard colour: Rigidiso® RI 40800 is delivered in green colour as standard.

Delivery form: Rigidiso® RI 40800 can be delivered as tube in different thicknesses and length and it can also be delivered as cut. Furthermore it can be equipped with a special resin to increase the comparative tracking index to 600.

Storage conditions: Rigidiso® RI 40800 can be stored unlimited under normal conditions (20°C, 50% relative air humidity).

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Property	Test method	Unit	Value
Density	DIN 53479	g/cm ³	1.75 – 1.95
Water absorption	-	mg/cm ²	175
Dielectric strength, parallel	-	kV/3mm	1.5
Dielectric strength, vertical	-	kV/3mm	40
Temperature resistance	VDE 0304/2	°C	130
Layer adhesion	-	MPa	200
Flexural strength untreated at 23°C	DIN 53452	MPa	300
Tensile strength	DIN 53455	MPa	200
Resistance between plugs after 24 hours, water storage at 23°C	DIN 53454	MPa	150
1 Minute test voltage in slice orientation at 90°C after pre-treatment	DIN 53482	Ohm	10 ¹²
1 Minute test voltage vertical to slice orientation at 90°C after pre-treatment	DIN 53481	kV	40
Comparative tracking index	DIN 53481	kV	40
Tensile strength	IEC 112	CTI	100

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Thickness	0.3	0.5	0.8	1.0	1.5	2.0	2.5	3.0	3.5	4.0
Availability	○	●	●	●	●	●	●	●	●	●

Thickness	4.5	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0
Availability	●	●	●	●	●	●	●	●	●	●

Thickness	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	25.0
Availability	●	●	●	●	●	●	●	●	●	●

Thickness	30.0	35.0	40.0	45.0	50.0	60.0	70.0	80.0	90.0	100.0
Availability	●	●	●	○	○	○	○	○	○	○

● **Basic stock material**

○ **Delivery time basic material: 2 weeks**

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

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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