

Laminates

Rigidiso® RI 40801

Composition: Rigidiso® RI 40801 is a round tube which is made of glass cloth impregnated with epoxy resin.

Rigidiso® RI 40801 meets the following standards:

EN 61212 EP GC 22
DIN 7735 HGW 2375.4

Property: Rigidiso® RI 40801 has very good mechanical, thermal and electrical properties, is environmentally neutral, asbestos-, dioxin-, cadmium- and halogen-free. Rigidiso® RI 40801 is in insulation class F (155°C). Rigidiso® RI 40801 is designed in accordance with flammability class UL 94 level HB.

Application: Rigidiso® RI 40801 is used in all areas of the electro industry.

Standard colour: Rigidiso® RI 40801 is delivered in green colour as standard.

Delivery form: Rigidiso® RI 40801 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 40801 can be stored unlimited under normal conditions (20°C, 50% relative air humidity).

Dr. Dietrich Müller GmbH

Rigidiso® RI 40801

Property	Standard	Unit	Tech. Value
Density	DIN 53479	g/cm ³	1,7 – 1,9
Flexural strength	DIN 53452	Mpa	300
Compressive strength	DIN 53454	Mpa	175
Modulus of elasticity	DIN 53452	Mpa	1.8 x 104
Tensile strength	DIN 53455	Mpa	200
Limit temperature	VDE 0304, T. 21	°C	155
Contact resistance	DIN 53482	Ω	10 ¹⁰
Dielectric strength, parallel	DIN 53481	KV	40
Dielectric strength, vertical	DIN 53481	KV	30
Water absorption	DIN 53495	Mg	small

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**

Dr. Dietrich Müller GmbH

Rigidiso® RI 40801

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.

Dr. Dietrich Müller GmbH