

Dr. Dietrich Müller GmbH, Zeppelinring 18, D-26197 Ahlhorn

Electrical Insulating Material

Rigidiso[®] RI 40400

Structure: Rigidiso[®] RI 40400 is a manufactured Polyester-Resin Glass-Fibre laminate and conforms to standards:

IEC 60893	UPGM 203
DIN 7735	HM 2471

Characteristics: Rigidiso[®] RI 40400 is very good insulation to Insulation Class F (155°C), It also has very good mechanical properties.

Application: Rigidiso[®] RI 40400 is used when good mechanical and electrical properties are required. Such as, among others, Distribution Cabinets, Track Carriers, etc.

Form of Supply: Rigidiso[®] RI 40400 is available in thicknesses of 0.15 - 150 mm, in sheet size 1250 x 1250 mm with a tolerance of ± 0.16 mm. Cut to size blanks can be supplied also on request.

Colour: Rigidiso[®] RI 40400 is supplied in brown as standard, it is also available in black.

Stand July 2011

Zeppelinring 18 | D-26197 Ahlhorn | Tel.: +49 (0) 4435 97 10 10 | Fax: +49 (0) 4435 97 10 11
info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Sitz der Gesellschaft: Ahlhorn
Geschäftsführer: Heinz-Jürgen Siebert | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093
St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

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- Elektroisierstoffe
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Storage Conditions: Rigidiso[®] RI 40400 can be stored indefinitely under normal conditions (20°C, 50% r. H.).

Technical Data:	Norm	Unit	Value
Tolerance		mm	± 0.16
Density	ISO 1183/A	g/cm ³	ca. 1.8
Flexural Strength	ISO 178	Mpa	130
Elasticity of the Flexural Test	ISO 178	Mpa	9000
Tensile Strength	ISO 527	Mpa	120
Compressive Strength vertical to the layers	ISO 604	Mpa	250
Dielectric Strength at 90°C vertical to the layers	IEC 243	kV/mm	12
Dielectric Strength at 90°C parallel to the layers	IEC 243	kV	50
Comparative Tracking	IEC 112		600
Thermal Endurance	IEC 216	T.I.	155
Water Absorbtion (3 mm)	ISO 62 / 1	mg	50
Impact Strength a _{n10} and a _{n15}	DIN 53453	kJ/m ²	40

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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