

## Laminates

### Rigidiso® RI 40305

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**Composition:** Rigidiso® RI 40305 is a plate laminate made of glass cloth and polyimide resin and meets the following standards:  
IEC 60893 PI GC 301  
DIN 7735 /

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**Properties:** Rigidiso® RI 40305 is insulating up to insulation class H (180°C), furthermore it has very good mechanical properties.

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**Application:** Rigidiso® RI 40305 is used whenever high pressure and temperature resistance is required, for example for press, for moulding and injection tools and for thermal insulation boards.

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**Delivery forms:** Rigidiso® RI 40305 is deliverable in thicknesses of 0.15 mm up to 150 mm, as well as sheets of 1250 x 1250 mm with a tolerance of ± 0.14 mm.  
Other cuts on request.

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**Standard colour:** Rigidiso® RI 40305 is delivered in a brown colour and it is also available in black.

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**Storage conditions:** Rigidiso® RI 40305 is storable unlimited under normal conditions (20°C, 50% rel. air humidity).

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## Rigidiso® RI 40305

Property	Test method	Unit	Value
Density	ISO 1183 / A	g/cm <sup>3</sup>	1.95
Flexural resistance	ISO 178	Mpa	500
Elasticity module	ISO 178	Mpa	25000
Tensile strength	ISO 527	Mpa	300
Impact resistance	ISO 179 / 3C	kJ/m <sup>2</sup>	55
Limiting temperature	IEC 216	°C	180
Creeping resistance	DIN / IEC 112	-	250
Insulation class	-	-	H
Water absorption (5mm)	ISO 62 / 1	mg	25

**Trademark Information:** Rigidiso® is a registered trademark of the company 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