

Laminates

Pertinax® RI 40000

Composition: Pertinax® RI 40000 is a manufactured phenolic resin and paper sheet laminate and meets:

IEC 60893 PF CP 203
DIN 7735 HP 2061.6

Properties: Pertinax® RI 40000 is insulating up to insulation class E (120°C), furthermore it has very good mechanical properties. Pertinax® RI 40000 is designed in accordance with flammability class UL 94 level HB.

Application: Pertinax® RI 40000 is used whenever good mechanical and electrical properties in the low voltage range are required, that means for example for laboratory benches, frontal covering in the inner area and basic plates for control units.

Delivery form: Pertinax® RI 40000 is available in thicknesses of 0.5 mm – 100 mm as well as in the following sheet sizes:
2140 x 1240 mm and
1070 x 1240 mm by a tolerance of ± 0.08 mm
Other cuts on request

Standard colour: Pertinax® RI 40000 is delivered in a brown colour and it is also available in a black colour.

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Storage conditions: Pertinax® RI 40000 is durable unlimited under normal conditions (20°C, 50% rel. air humidity).

Property	Test method	Unit	Value
Density	ISO 1183 / A	g/cm ³	1.3 – 1.4
Flexural resistance	ISO 178	Mpa	150
Elasticity module	ISO 178	Mpa	ca. 9000
Tensile strength	ISO 527	Mpa	120
Impact resistance	ISO 178 / 3C	kJ/m ²	20
Working temperature	IEC 216	°C	120
Creeping resistance	DIN/IEC 112	-	100
Thermally conductivity	-	W/mK	0,2
Pressure resistance	-	Mpa	150 – 190
Insulation class	-	-	E
Water absorption (5mm)	ISO 62 / 1	mg	660

Trademark Information: Pertinax® 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.

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