

## Laminates

### Pertinax® RI 40300

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**Structure:** Pertinax® RI 40300 is a manufactured Phenolic-Resin and Melamine-Resin to outer layers, Paper laminate and conforms to standards:

IEC 60893      similar to PFCP 201  
DIN 7735      MKHP 2061

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**Characteristics:** Pertinax® RI 40300 is classified as Insulation Class E (120°C), it also has very good mechanical properties. Pertinax® RI 40300 is designed in accordance with flammability class UL 94 level HB.

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**Application:** Pertinax® RI 40300 is used when good mechanical and electrical properties are required for low voltage, among others, laboratory tables, interior front cover panels and base plates for switchgear.

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**Form of Supply:** Pertinax® RI 40300 is available in thicknesses of 0.5 - 30 mm, in sheet sizes: 2140 x 1240 mm and 1070 x 1240 mm with a tolerance of  $\pm 0.14$  mm. Cut to size blanks can also be supplied on request.

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**Colour:** Pertinax® RI 40400 is supplied in brown as standard, it is also available in black.

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**Storage Conditions:** Pertinax® RI 40400 can be stored indefinitely under normal conditions (20°C, 50% r. H.).

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Dr. Dietrich Müller GmbH

## Pertinax® RI 40300

Technical Data:	Norm	Unit	Value
Density	ISO 1183 / A	g/cm <sup>3</sup>	1.45
Flexural Strength	ISO 178	Mpa	220
Elasticity of the Flexural Test	ISO 178	Mpa	11200
Tensile Strength	ISO 527	Mpa	170
Impact Strength	ISO 179 / 3C	kJ/m <sup>2</sup>	23
Temperature Limit	IEC 216	°C	120
Comparative Tracking	DIN / IEC 112	-	300
Thermal Conductivity	-	W/mK	0.2
Thermal Class	-	-	E
Water Absorbtion (5mm)	ISO 62 / 1	mg	110

**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.