

Laminates

Pertinax® RI 40610

Composition: Pertinax® RI 40610 is a manufactured phenolic resin and paper pressed part and meets:

| | |
|-----------|-----------|
| IEC 60893 | PF CP 201 |
| DIN 7735 | HP 2061 |

Properties: Pertinax® RI 40610 is insulating up to insulation class E (120°C) and offers good mechanical properties. Pertinax® RI 40610 is designed in accordance with flammability class UL 94 level HB.

Applications: Pertinax® RI 40610 is used whenever good mechanical and electrical properties in the low voltage range are required, e. g. laboratory benches, frontal covering in the inner area and basic plates for control units.

Colour: brown

Delivery forms: measurements acc. to customer specification

Storage conditions: Pertinax® RI 40610 can be stored unlimited under normal conditions (20°C, 50% rel. RH).

Dr. Dietrich Müller GmbH

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| Properties | Norm | Unit | Value |
|-------------------------|--------------|-------------------|--------------|
| Density | ISO 1183 / A | g/cm ³ | 1,3 – 1,4 |
| Flexural resistance | ISO 178 | MPa | 150 |
| Elasticity module | ISO 178 | MPa | approx. 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 |
| Thermal conductivity | | W/mK | 0,2 |
| Pressure resistance | | MPa | 150 – 190 |
| Insulation class | | | E |
| Water absorption (5 mm) | ISO 62 / 1 | mg | 660 |

Trademark information: Pertinax® is a registered trademark of 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 the 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.