

## Laminates

### Pertinax® RI 40605

---

**Composition:** Pertinax® RI 40605 is a manufactured phenolic resin and paper angle-profile and meets:

IEC 60893	PF CP 201
DIN 7735	HP 2061

---

**Properties:** Pertinax® RI 40605 is insulating up to insulation class E (120°C) and offers good mechanical properties. Pertinax® RI 40605 is designed in accordance with flammability class UL 94 level HB.

---

**Applications:** Pertinax® RI 40605 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 40605 can be stored unlimited under normal conditions (20°C, 50% rel. RH).

---

Dr. Dietrich Müller GmbH

## Pertinax® RI 40605

Properties	Norm	Unit	Value
Density	ISO 1183 / A	g/cm <sup>3</sup>	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 <sup>2</sup>	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.