

Laminates

Pertinax® RI 40601

Composition: Pertinax® RI 40601 is a round tube which is made of paper impregnated with phenolic resin.

Pertinax® RI 40601 meets the following standards:

EN 616212 PF CP 22

DIN 7735 HP 2066

Properties: Pertinax® RI 40601 has good mechanical and electrical properties and higher strength in comparison to PF CP 21 and it has low water absorption. Furthermore Pertinax® RI 40601 is in insulation class E (120°C), it has very good mechanical properties, is environmentally neutral, asbestos-, dioxin-, cadmium- and halogen-free.

Applications: Pertinax® RI 40601 is used in the electrical industry as high-class insulating material and as construction material in machine construction.

Standard colour: Pertinax® RI 40601 is delivered in brown colour as standard.

Delivery forms: Pertinax® RI 40601 can be delivered as tube in different thicknesses. Furthermore it can be equipped with a special resin to increase the comparative tracking index to 600.

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Storage requirements: Pertinax® RI 40601 can be stored unlimited under normal conditions (20°C, 50% relative air humidity)

Property	Test method	Unit	Value
Density	DIN 53479	g/cm ³	1,1 – 1,5
Flexural strength untreated at 23°C	DIN 53452	MPa	100
Tensile strength	DIN 53455	MPa	50
Pressure resistance	DIN 53454	MPa	50
Elasticity module	DIN 53457	MPa	6000
Resistance between plugs after 24 hours, water storage at 23°C	DIN 53482	Ohm	10 ⁸
1 minute test voltage in slice orientation at 90°C after pre-treatment	DIN 53481	kV	25
1 minute test voltage vertical to slice at 90°C after pre-treatment	DIN 53481	kV	50
Comparative tracking index	IEC 112	CTI	100
Temperature resistance	VDE 0304/2	°C	120

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Thickness	0,3	0,5	0,8	1,0	1,5	2,0	2,5	3,0	3,5	4,0
Availability	○	●	●	●	●	●	●	●	●	●

Thickness	4,5	5,0	6,0	7,0	8,0	9,0	10,0	11,0	12,0	13,0
Availability	●	●	●	●	●	●	●	●	●	●

Thickness	14,0	15,0	16,0	17,0	18,0	19,0	20,0	21,0	22,0	25,0
Availability	●	●	●	●	●	●	●	●	●	●

Thickness	30,0	35,0	40,0	45,0	50,0	60,0	70,0	80,0	90,0	100,0
Availability	●	●	●	○	○	○	○	○	○	○

- **Basic stock material**
- **Delivery time basic material: 2 weeks**

Trademark information: Pertinax® is a registered trademark of 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 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.