

Laminates



AR 600 P01

- **High pressure laminate with very good slide and wear properties in combination with high mechanical strength**
- **Very low coefficient of thermal expansion**
- **Temperature index 180°C**

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	160	ISO 178
E-modulus	MPa	7000	ISO 178
Compressive strength // at 23°C	MPa	170	ISO 604
Compressive strength ⊥ at 23°C	MPa	350	ISO 604
Thermal properties			
Temperature index (TI)	°C	180	IEC 60216
Thermal conductivity	W / m.K	0.2	ISO 8301
Linear expansion coefficient //	1.0E-6/K	7	ISO 11359-2
Physical properties			
Density	g / cm ³	1.30	ISO 1183
Water absorption	mg / %	50 / 0.3	ISO 62
Friction coefficient		0.16	

Description

AR 600 P01 is an aramid fabric bonded with high temperature phenolic resin.

RoHS Directive

Hazardous products listed in the EU-directive 2011/65/EU (RoHS-directive), annex II and amendment 2015/863/EU are not used as ingredients in this material.

Colour

Brown

Applications

Slides for compressors / vacuum pumps

Form of delivery

Sheet format 2050 x 1000 mm
Size tolerance 0 / -30 mm
Thickness range 3 to 50 mm
Thickness tol. as agreed

Other thicknesses on request

Available as plates, cut to size and as machined parts.

Machining

Machining with carbide or diamond tools.

The data supplied are typical values. They are not to be considered specification values. All of the information, suggestions, and recommendations about these properties and uses of the products herein are based on tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty - expressed or implied - including, without limitation, warranties of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.

VRI Composites custom fabricates insulation materials to the exact specifications and drawings specified by our customers. We offer our customers the proper product for their specific application. A variety of dimensions and diameter sizes are available. Product colors vary according to material type.

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