

Laminates



AR 600 T23

- **High pressure laminate with very good slide and wear properties in combination with high mechanical strength**
- **Low coefficient of thermal expansion**
- **Heat resistance 200°C**

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	160	ISO 178
E-modulus	MPa	6500	ISO 178
Compressive strength // at 23°C	MPa	180	ISO 604
Compressive strength ⊥ at 23°C	MPa	300	ISO 604
Thermal properties			
Heat resistance	°C	200	
Thermal conductivity	W / m.K	0.2	ISO 8301
Linear expansion coefficient //	1.0E-6/K	15	ISO 11359-2
Physical properties			
Density	g / cm ³	1.36	ISO 1183
Water absorption	mg / %	50/0.30	ISO 62
Friction coefficient		0.15	

Description

AR 600 T23 is an aramid fabric bonded with high temperature resistant epoxy 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.

Color

Yellow

Applications

Slides for compressors / vacuum pumps
Slide bars
Stop ledges

Form of delivery

Sheet format 1150 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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VRI Composites Deutschland GmbH
www.vri-composites.com

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