

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 400°F

| | Unit | Value | Test norm |
|---------------------------------|--------------------------------|-------|-------------|
| Mechanical properties | | | |
| Flexural strength | ksi | 23 | ISO 178 |
| E-modulus | ksi | 940 | ISO 178 |
| Compressive strength // at RT | ksi | 26 | ISO 604 |
| Compressive strength ⊥ at RT | ksi | 44 | ISO 604 |
| Thermal properties | | | |
| Heat resistance | °F | 400 | |
| Thermal conductivity | BTU in / ft ² hr °F | 1.4 | ISO 8301 |
| Linear expansion coefficient // | 1.0E-6/°F | 8 | ISO 11359-2 |
| Physical properties | | | |
| Density | lb / in ³ | 0.05 | ISO 1183 |
| Water absorption | % | 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 45.3" x 39.4",
Size tolerance 0 / - 1.2"
Thickness range 0.12" to 2.0"
Thickness tolerance as agreed

Other thicknesses on request

Available as plates, cut so 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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