

Laminates



ACG 600 T23

- High pressure laminate with very good slide and wear properties
- For high mechanical and thermal stresses
- High heat resistance

	Unit	Value	Test norm
Mechanical properties			
Flexural strength at 23°C	ksi	19	ISO 178
Modulus of elasticity at 23°C	ksi	870	ISO 178
Compressive strength \perp at 23°C	ksi	44	ISO 604
Compressive strength \parallel at 23°C	ksi	26	ISO 604
Thermal properties			
Heat resistance	°F	390	
Heat conductivity	BTU in / ft ² hr °F	1.7	ISO 8301
Coefficient of linear expansion	1,0E-6 / °F	14	ISO 11359-2
Physical properties			
Density	lb/in ³	0.052	ISO 1183
Water absorption	%	0.35	ISO 62

General description

ACG 600 T23 is a synthetic fabric laminate bonded with epoxy resin.

Color

Grey black

RoHS Directive

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

Application

Slides for compressors / vacuum pumps
High temperature resistant machine parts
Slide bars
Stop ledges

Form of delivery

Sheet formats 45.3" x 39.4",
from 1/8" to 0.8" also 80" x 39.4"
Tolerance of formats 0 / - 1.2"
Thickness in range of 0.08" to 4.7"
Thickness tolerances as agreed

Available as plates, cut to size or machined parts.
Other dimensions and thicknesses on request.

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.