

Laminate



EP 105 AS

- High pressure laminate with antistatic properties
- Defined burning rate acc. to UL 94, class V-0
- Mechanical properties comparable with standard EP 105 type

	Unit	Value	Test norm
Mechanical properties			
Flexural strength	MPa	200	ISO 178
Compressive strength // at 23°C	MPa	120	ISO 604
Compressive strength ⊥ at 23°C	MPa	240	ISO 604
Electrical properties			
Surface resistance	Ohm	1.0E+5 - 1.0E+10	IEC 61340-5-1
Thermal properties			
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	1.45 / 8 mm	ISO 1183
Water absorption	mg/%	70/0.25	ISO 62

*Density depends on thickness

Description

EP 105 AS is a sandwich laminate consisting of an epoxy paper core and antistatic glass epoxy cover layers.

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

Black, with light coloured core

Applications

Test adapter, antistatic
Antistatic parts

Form of delivery

Sheet formats 1170 x 1070, 2070 x 1070 mm
Size tolerance 0 / - 30 mm

Thickness range 2 to 30 mm

Thickness tol. acc. to DIN EN 60893-3-2

Also available as panels or machined parts.
Other dimensions and thicknesses on request.

Machining

Machining with carbide tools.

For water jet cutting we recommend adding silica sand to the water and drill through-holes prior to machine.

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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