

laminates

EP 105 AS

- ▶ High Pressure Laminate for antistatic applications
- ▶ Defined burning rate acc. to UL 94, class V0
- ▶ Mechanical properties comparable with standard EP 105

General description

EP 105 AS is a sandwich laminate based on a core of paper impregnated with an epoxy resin and a glass fabric impregnated with an antistatic epoxy resin on the surface.

Colour

Black

Application

Antistatic parts
Test adapter, antistatic

Former denominations

Pertinax CEM1 AS

Form of delivery

Sheet formats 1170 x 1070 and 2070 x 1070 mm
Tolerance of formats 0 / - 30 mm
Thickness in range of 2,0 to 30 mm
Thickness tolerances acc. to DIN EN 60893-3-2

Material also available as cut to size panels and machined parts.

Other dimensions and thicknesses on request.

Processing

Machining with carbide or diamond tools.

The product properties set forth in this data sheet are based on the results of testing of typical material produced by the affiliated companies of Von Roll Holding Ltd. (underneath referred as Von Roll). Some variation in product properties is typical. Comments or suggestions relating to any subject other than product properties are offered only to call the end-user's or other person's attention to considerations which may be relevant in the independent determination of the use and/or manner of use of product. Von Roll does not claim or warrant that the use of its product will have the results described in this data sheet or that the information provided is complete, accurate or useful. The user should test the product to determine its properties and its suitability for the intended use. Von Roll expressly disclaims any liability for any damage, harm, injury, cost or expense to any person resulting directly or indirectly from that person's reliance on any information contained in this data sheet. Nothing contained in this data sheet constitutes representation or warranty as to any matter whatsoever. Von Roll makes no warranties whatsoever in this data sheet, expressed or implied, including any implied warranty or fitness for a particular use or purpose. Von Roll shall in no event be liable for incidental, exemplary, punitive or consequential damages.

	Value	Test norm
Mechanical properties		
Flexural strength	MPa 200	ISO 178
Compressive strength //, at 23°C	MPa 120	ISO 604
Flatwise compressive strength	MPa 240	ISO 604
Electrical properties		
Surface resistance	Ω 10E6-10E10	DIN 53482
Physical properties		
Density	g/cm ³ 1.45 / 8 mm	ISO 1183
Water absorption 24h 23°C	mg / % 35 / 0.12	ISO 62
Flammability	V0	UL 94
Thermal properties		
Temperature index (TI)	°C 130	IEC 60216
Thermal conductivity	W/m.K 0.2	DIN 52612
Coefficient of linear expansion //	10E-6 / K 15	VDE 0304