

laminates

DELATHERM MT 68110

- ▶ Asbestos free
- ▶ Low heat conductivity
- ▶ Excellent tolerances with respect to parallelism
- ▶ Easy to machine
- ▶ Long life expectancy
- ▶ Low water absorption
- ▶ Good hydrocarbon stability
- ▶ Good chemical stability
- ▶ Excellent mechanical durability
- ▶ Very good electrical properties

General description

Characteristics like compressive strength, low thermal conductivity, restricted expansion rate as well as the temperature resistance of these materials up to 240°C (at peak) enable the customer to maintain adequate insulation for many years.

RoHS Directive

Hazardous products listed in the EU directive 2002/95/CE (ROHS-directive), §4 section 1, are not used as ingredients in this material.

Application

DELATHERM MT 68110 is used as platens in heated equipment. Insulating elements with high thermal holding for the construction of machines, insulation of trays of press any types, insulation of moulds with injection or compression, molding rubber, glass factories, ovens with induction, ovens with bow...

Availability

Sheet sizes of 2000 +/- 10mm x 1000 +/- 10mm
Standard thicknesses : from 6mm to 38mm
The sheets are untrimmed. Homogeneity on a width of 13mm from the edges is not guaranteed.

Thickness tolerances : 10mm -> +/- 0.1mm
from 10 to 15mm -> +/- 0.15mm
>15mm -> +/- 1%

colour : Light grey

Description

DELATHERM MT 68110 is a laminate on base of mat of glass and resin with high-temperature high mechanical characteristics. Former product reference: Glastherm MT 68110.

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.

		Value	Test norm
Physical properties			
Density	g/cm ³	1.9±0.1	ISO 1183 (method A)
Thermal conductivity flatwise	W/m.K	0.27	DIN 52612
Water absorption 24h 23°C	%	0.1	ISO 62 (method 1)
Mechanical properties			
Compressive strength at 23°C, flatwise	MPa	300	ISO 604
Flexural strength at 23°C, flatwise	MPa	130	ISO 178
Compressive strength at 155°C, flatwise	MPa	120	ISO 604
Flexural strength at 155°C, flatwise	MPa	65	ISO 178
Compressive strength at 200°C, flatwise	MPa	90	ISO 604
Flexural strength at 200°C, flatwise	MPa	45	ISO 178
Thermal properties			
Coefficient of linear expansion //	K ⁻¹	20.10 ⁻⁶	

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