

Insulating Plate ES 2025

Information

High temperature resistant insulating plate



Insulating Plate ES 2025 in different designs

Fields of Application

Heat and flame protection, thermal insulation, sealing plate and composite material, for example in processing units.

Properties

- Fracture resistant, flexible, non-buckling, abrasion resistant
- Good resistance to acids and alkalis
- Incombustible, high heat and flame resistance, under thermal load free of smoke and toxic gases
- Free of dust (dust-bound), hygienic generally recognized as safe, easy to handle

Technical Data

Weight	1,7 kg/m ² ± 10 %
Temperature resistance	up to 600°C flexible up to 800°C stable and solid
Ignition loss	24 h 600°C < 3,5 % 24 h 800°C < 4,0 %
Shrinkage	after 24 h at 600°C surface 0 % thickness 0 % after 24 h at 800°C surface 0 % thickness 0 % after 24 h at 1000°C surface 4,7 % thickness 0 %
Thermal conductivity:	0,030 W/mK at mean temperature 200 °C
Density:	approx. 1 g/cm ³
Water absorption:	50 % from dry weight after 14 days when located under water: → no shrinkage resp. swelling of surface and thickness ! → material properties unchanged
Fire behavior	incombustible acc. to DIN 4102 – class A1

Processing

Cutting, sawing, punching.

Availability

Plates:	Width	1000 mm
	Lengths up to	2000 mm
Thickness:	2,2 mm ± 0,5 mm	

Special thickness, blanks or punched parts on inquiry.

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