

Material datasheet

Material: PAS-PMMA GS Fluor

mechanical characteristics

Characteristic	Standard	Unit	Value
Tensile strength (+23°C, dry)	ISO 527-1/-2 DIN 53455 ASTM D 638	MPa (N/mm ²)	70
Charpy impact strength (+23°C, dry)	ISO 179 DIN 53453	kJ/m ²	25
Charpy notched impact strength (+23°C, dry)	ISO 179 DIN 53453	kJ/m ²	2.2

thermal characteristics

Characteristic	Standard	Unit	Value
min. Operating temperature (continuous)		°C	-40
max. service temperature (continuous)		°C	80

combustibility characteristics

Characteristic	Standard	Unit	Value
UL94 flammability	IEC 60695-11-10	class	HB

physical characteristics

Characteristic	Standard	Unit	Value
Density, Gross density	ISO 1183 DIN 53479 ASTM D 792	g/cm ³	1.19
Water absorption at saturation (water storage 23°C)	ISO 62 DIN 53495 ASTM D 570	%	0.21

chemical characteristics

Characteristic	Standard	Unit	Value
UV light and weathering			constant
Physiology	Faigle		suitable

These data are guideline values which are subject to change depending on the type of manufacture of the test specimens and stress. These data are based on our own experience and on manufacturer's data. However, they are provided without guarantee, since each application is different and must be considered with reference to its specific influence parameters.