

Material datasheet

Material: PAS-PMMA GS Antireflex

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
Tensile E-modulus (+23°C, dry)	ISO 527-1/-2 DIN 53455 ASTM D 638	MPa (N/mm ²)	3400
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