

Material datasheet Material: PAS-PCTFE

mechanical characteristics

Characteristic	Standard	Unit	Value
Tensile strength (+23°C, dry)	ISO 527-1/-2 DIN 53455 ASTM D 638	MPa (N/mm ²)	30
Tensile E-modulus (+23°C, dry)	ISO 527-1/-2 DIN 53455 ASTM D 638	MPa (N/mm ²)	1300

thermal characteristics

Characteristic	Standard	Unit	Value
min. Operating temperature (continuous)		°C	-255
max. service temperature (continuous)		°C	150
Thermal conductivity (+23°C)	DIN 52612	W/(m×K)	0.19

combustibility characteristics

Characteristic	Standard	Unit	Value
UL94 flammability	IEC 60695-11-10	class	V0

physical characteristics

Characteristic	Standard	Unit	Value
Density, Gross density	ISO 1183 DIN 53479 ASTM D 792	g/cm ³	2.10