

Technical data sheet

Material: PPS Ident-No.: 02-05-03-80-80-00-00-00

Polymer: Polypropylene

Property	Unit	Value
Density	g cm ⁻³	2
Bending strength ^A	N mm ⁻²	48
Bending modulus ^A	N mm ⁻²	18000
Tensile strength ^B	N mm ⁻²	25
Tensile modulus ^B	N mm ⁻²	14000
Elongation at break ^{A,B}	%	0,3 – 0,2
Thermal conductivity ^C	W m ⁻¹ K ⁻¹	20
Spec. electrical resistance ^E	Ω cm	0,008
Spec. electrical resistance ^F	Ω cm	0,060
max. operating temperature ^G	°C	<200

A According to DIN EN ISO 178

B According to ISO 527

C At 25°C vertical to the plane of the sheet (through-plane)

D According to ISO 11359-2 vertical to the plane of the panel (through-plane)

E In the plane of the panel (in-plane)

F Vertical to the plane of the panel at a contact pressure of 100 N/cm²

G Derived from the heat deflection temperature according to ISO 75-2

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