

Datenblatt

PC

Property	Test method	Typical value
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Density (g/cm ³ at 21.5 °C)	ASTM D792 (ISO 1183, GB/T 1033)	1.19 - 1.20 g/cm ³
Glass transition temperature (°C)	DSC, 10 °C/min	112 °C

Material specific properties

Young's modulus (MPa)	ASTM D638 (ISO 527, GB/T 1040)	2307± 60 MPa
Tensile strength (MPa)	ASTM D638 (ISO527, GB/T 1040)	62.7 ± 1.3 MPa
Elongation at break (%)	ASTM D638 (ISO527, GB/T 1040)	3.15 ± 0.35 %
Bending modulus (MPa)	ASTM D790 (ISO 178, GB/T 9341)	2477 ± 159 MPa
Bending strength (MPa)	ASTM D790 (ISO 178, GB/T 9341)	100.4 ± 2.7 MPa
Impact strength (kJ/m)	ASTM D790 (ISO 179, GB/T 1043)	3.41 ± 0.07 KJ/m ²