



GLASS FILLED FINE POLYAMIDE PA 3200 GF EOSINT P

Typical applications of the material are housings and thermally stressed parts.

MATERIAL PROPERTIES

Average grain size	Laser diffraction	60	µm
Bulk Density	DIN 53466	0,59-0,62	g/cm ³
Density of laser sintered part	EOS Method	1,23-1,28	g/cm ³

MECHANICAL PROPERTIES*

Tensile Modulus	DIN EN ISO 527	3200 ± 200	N/mm ²
Tensile Strength	DIN EN ISO 527	48 ± 3	N/mm ²
Elongation at break	DIN EN ISO 527	6 ± 3	%
Flexural Modulus	DIN EN ISO 178	2100 ± 150	N/mm ²
Charpy – Impact Strength	DIN EN ISO 179	35 ± 6	kJ/m ²
Charpy – Notched imp. Strength	DIN EN ISO 179	5,4 ± 0,6	kJ/m ²
Izod – Impact strength	DIN EN ISO 180	21,3 ± 1,7	kJ/m ²
Izol – Notched impact strength	DIN EN ISO 180	4,2 ± 0,3	kJ/m ²
Ball indentation hardness	DIN EN ISO 2039	98	
Shore D hardness	DIN 53505	80 ± 2	

THERMAL PROPERTIES

Melting Point	DIN 53736	172 – 180	°C
Vicat softening temperature B/50	DIN EN ISO 306	166	°C
Vicat softening temperature A/50	DIN EN ISO 306	179	°C