COMPOSITESBUSCH

Glassfilled Polyamide PA 3200GF

Material Data Sheet

Material Properties*:

Average grain size	Laser diffraction	60	µm
Bulk density	DIN 53466	0.59 - 0.62	g/cm³
Density of lasersintered part	EOS-Method	1.23 - 1.28	g/cm³

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 Impact 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
Izod – 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

* The mechanical properties depend on the x-, y-, z-position and on the exposure parameters used.
The Data are based on our latest knownledge and are subject to changes without notice.
They do not guarantee properties for a particular part and in a particular application.