

Data sheet

PA12-GB / PA 3200 GF

1. Other properties

Measurement	Method & Conditions	Metric Value
Density (lasersintered)	EOS Method	1220 kg/m ³
Powder Color	-	white

2. Thermal properties

Measurement	Method & Conditions	Metric Value
Melting temperature (20°C/min)	ISO 11357-1/-3	176°C
Temp. of deflection under load 1.80 MPa	ISO 75-1/-2	96°C
0.45 MPa	ISO 75-1/-2	157°C
Vicat softening temperature 50°C/h 10N	ISO 306	179°C
50°C/h 50N	ISO 306	166°C

3. Mechanical properties

Measurement	Method & Conditions	Metric Value
Tensile Modulus	ISO 527	3200 MPa
Tensile Strength	ISO 527	51 MPa
Strain at break	ISO 527	9 %
Flexural Modulus (23°C)	ISO 178	2900 MPa
Flexural Strength	ISO 178	73 MPa
Izod notched impact strength (+23C)	ISO 180/1A	4.2 kJ/m ²
Izod impact strength (+23C)	ISO 180/1U	21 kJ/m ²