

PA 2200

Material Data Sheet

Material Properties*:

Average grain size	Laser diffraction	56	µm
Bulk density	EN ISO 60	0.45	g/cm ³
Density of lasersintered part	EOS-Method	0.93	g/cm ³

Mechanical Properties:

Tensile Modulus	EN ISO 527	1700	N/mm ²
Tensile strength	EN ISO 527	48	Mpa
Elongation at break	EN ISO 527	24	%
Flexural Modulus	EN ISO 178	1500	N/mm ²
Charpy - Impact strength	EN ISO 179	53	kJ/m ²
Charpy - Notched Impact strength	EN ISO 179	4.8	kJ/m ²
Izod – Impact Strength	EN ISO 180	32.8	kJ/m ²
Izod – Notched Impact strength	EN ISO 180	4.4	kJ/m ²
Ball indentation hardness	EN ISO 2039	78	N/mm2
Shore D - hardness	ISO 868	75	

Thermal Properties:

Melting point	EN ISO 11357-1	172 - 180	°C
Vicat softening temperature B/50	EN ISO 306	163	°C
Vicat softening temperature A/50	EN ISO 306	181	°C

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