

Technical Data Sheet



SustaPEEK MG red RD

PEEK

Typical characteristics

- High purity
- Good sterilisation resistance
- High Strength
- High rigidity
- ISO 10993-5 tested on semi-finished product
- High-temperature stable up to 250°C in continuous operation
- Chemical resistant

Typical industries

- Healthcare

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,3
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	110
Elongation at break	DIN EN ISO 527	%	10
Tensile modulus of elasticity	DIN EN ISO 527	MPa	4000
Notched impact strength	ISO 179-1/1eA	kJ / m ²	3,6
Shore hardness	DIN EN ISO 868	scale D	87
Elastic modulus of compression	DIN EN ISO 604	MPa	3400
Thermal properties			
Melting temperature	ISO 11357-3	°C	341

