

## Technical Data Sheet

# SustaPEEK MG red RD

### Typical characteristics

- High purity
- Very good sterilisation resistance
- very high strength and rigidity
- ISO 10993-5 tested on semi-finished product
- high-temperature stable up to 250°C in continuous operation
- Chemical resistance

### Typical industries

- Healthcare

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,3
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	113
Elongation at break	DIN EN ISO 527	%	10
Tensile modulus of elasticity	DIN EN ISO 527	MPa	4200
Notched impact strength	ISO 179-1/1eA	kJ / m <sup>2</sup>	3,6
Shore hardness	DIN EN ISO 868	scale D	87
Elastic modulus of compression	DIN EN ISO 604	MPa	3400
<b>Thermal properties</b>			
Melting temperature	ISO 11357-3	°C	341