Technical Data Sheet

MG

SustaPEI MG natural

PEI

Typical characteristics

- High purity
- Good sterilisation resistance
- High stiffness even at high temperatures
- High continuous service temperature
- ISO 10993-5 tested on semi-finished product
- Good resistance against high energy radiation

Typical industries

- Healthcare

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,28
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	125
Elongation at break	DIN EN ISO 527	%	10
Tensile modulus of elasticity	DIN EN ISO 527	MPa	3200
Tensile strength	DIN EN ISO 527	MPa	125
Shore hardness	DIN EN ISO 868	scale D	87
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	230
Unnotched impact strength (Charpy)	DIN EN ISO 179/1eU	kJ / m^2	3,2
Shore hardness	DIN EN ISO 868	Shore D	87
Elastic modulus of compression	DIN EN ISO 604	MPa	3150
Thermal properties			
Glass transition temperature	ISO 11357-3	°C	216

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INTEGRATED MANAGEMENT SYSTEM