

## Technical Data Sheet



# 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
<b>General properties</b>			
Density	DIN EN ISO 1183-1	g / cm <sup>3</sup>	1,28
<b>Mechanical properties</b>			
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 <sup>2</sup>	3,2
Shore hardness	DIN EN ISO 868	Shore D	87
Elastic modulus of compression	DIN EN ISO 604	MPa	3150
<b>Thermal properties</b>			
Glass transition temperature	ISO 11357-3	°C	216

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