Technical Data Sheet

MG

Sustason® PSU MG natural

PSU

Typical characteristics

- Good sterilisation resistance
- High rigidity
- Good dimensional stability
- High continuous service temperature
- ISO 10993-5 tested on semi-finished product
- Good resistance against high energy radiation
- Good machinability

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	85
Elongation at break	DIN EN ISO 527	%	7
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2650
Tensile strength	DIN EN ISO 527	MPa	85
Notched impact strength	ISO 179-1/1eA	kJ / m^2	2
Shore hardness	DIN EN ISO 868	scale D	83
Ball indentation hardness (H358/30)	DIN EN ISO 2039-1	MPa	160
Elastic modulus of compression	DIN EN ISO 604	MPa	2250
Thermal properties			
Glass transition temperature	ISO 11357-3	°C	185