

## Technical Data Sheet



# Sustason<sup>®</sup> 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
<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	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 <sup>2</sup>	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
<b>Thermal properties</b>			
Glass transition temperature	ISO 11357-3	°C	185

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

