

## Technical Data Sheet

# Sustason<sup>®</sup> PSU MG - ASTM

PSU

### Typical characteristics

- Biocompatible

### Typical industries

- Electronics
- Bakery and Confectionery
- Beverage Industry
- Healthcare
- Food Industry
- Mechanical Engineering Industry
- Electrical Industry

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	1.24
Water Absorption 24 hours	ASTM D570	%	0.3
Water Absorption Saturation	ASTM D570	%	0.6
<b>Mechanical properties</b>			
Hardness	ASTM D2240	Shore D	80
Tensile Strength at yield 73°F	ASTM D638	psi	10200
Tensile Modulus	ASTM D638	psi	360000
Elongation at Break	ASTM D638	%	30
Flexural Strength	ASTM D790	psi	15400
Flexural Modulus	ASTM D790	psi	390000
Rockwell Hardness	ASTM D785	M	75
Rockwell Hardness	ASTM D785	R	125
Izod Impact, Notched	ASTM D256	ft-lb/in	1.3
<b>Thermal properties</b>			
Thermal Conductivity		in/hr/ft <sup>2</sup> /°F	1.7
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 <sup>-5</sup>	3.1
Continuous Service Temperature, Air		°F	300
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	345

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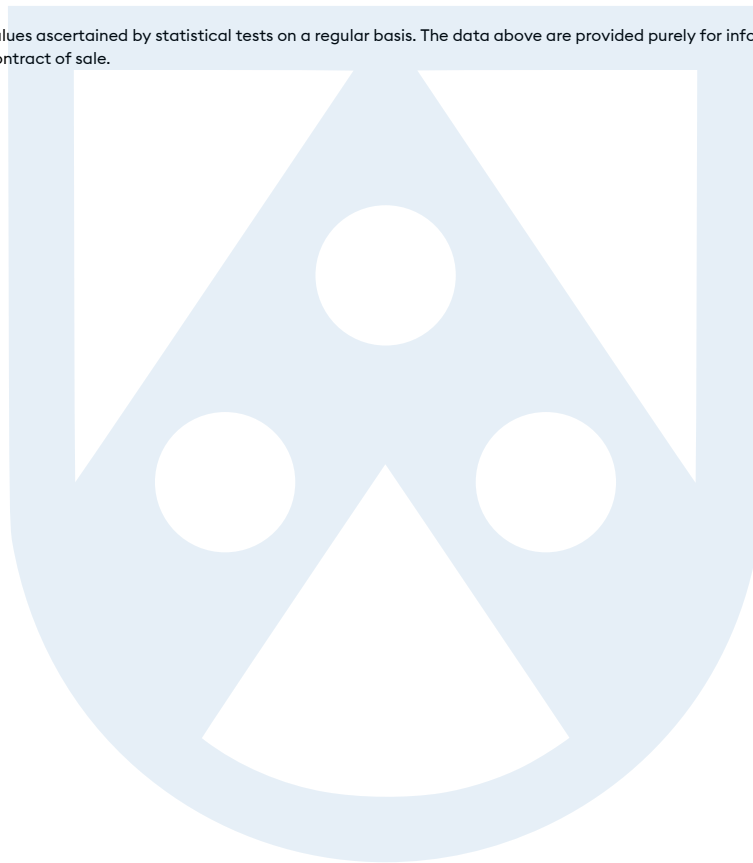
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	Test method	Unit	Guideline value
Deflection Temperature at 1.8Mpa (66psi)	ASTM D648	°F	359
<b>Electrical properties</b>			
Surface resistivity	ASTM D257	Ω/cm	>10 <sup>13</sup>
<b>Compliance properties</b>			
FDA			Yes
NSF			No
USDA			Yes

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.



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