

Technical Data Sheet

Sustason[®] 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
General properties			
Density	ASTM D792	g / cm ³	1.24
Water Absorption 24 hours	ASTM D570	%	0.3
Water Absorption Saturation	ASTM D570	%	0.6
Mechanical properties			
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
Thermal properties			
Thermal Conductivity		in/hr/ft ² /°F	1.7
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁵	3.1
Continuous Service Temperature, Air		°F	300
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	345

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	Test method	Unit	Guideline value
Deflection Temperature at 1.8Mpa (66psi)	ASTM D648	°F	359
Electrical properties			
Surface resistivity	ASTM D257	Ω/cm	>10 ¹³
Compliance properties			
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.

