

Technical Data Sheet

SustaPPO - ASTM

Typical industries

- Paper Industry
- Building industry
- Conveyor Technology & Automation
- Mechanical Engineering Industry
- Electronics

	Test method	Unit	Guideline value
General properties			
Density	ASTM D792	g / cm ³	1.08
Water Absorption	ASTM D570	%	0.2
Water Absorption 24 hours	ASTM D570	%	0.07
Dissipation Factor	ASTM D150	1MHz	0.001
Mechanical properties			
Tensile Strength at Yield	ASTM D638	psi	9400
Tensile Modulus	ASTM D638	psi	350000
Tensile Elongation	ASTM D638	%	30
Flexural Strength	ASTM D790	psi	13400
Flexural Modulus	ASTM D790	psi	360000
Rockwell Hardness	ASTM D785	R	119
Izod Impact, Notched	ASTM D256	ft-lb/in	3.5
Coefficient of Friction, Dynamic			0.39
Thermal properties			
Thermal Conductivity		in/hr/ft ² /°F	1.6
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 ⁻⁵	3.3
Continuous Service Temperature, Air		°F	220
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	260
Deflection Temperature at 1.8Mpa (66psi)	ASTM D648	°F	289



	Test method	Unit	Guideline value
Flammability, UL94		1/8 inch	V-1
Electrical properties			
Dielectric constant	ASTM D150	1MHz	2.7
Dielectric strength	ASTM D149	V/mil	500
Surface resistivity	ASTM D257	Ω/cm	10^{17}
Compliance properties			
FDA			No
NSF			No

