

Technical Data Sheet

Polystone[®] MPG Glass Filled - ASTM

Typical characteristics

- Low coefficient of friction
- Long service life
- Very good abrasion and wear resistance

Typical industries

- Mechanical Engineering Industry
- Conveyor Technology & Automation

	Test method	Unit	Guideline value
General properties			
Density	ASTM D792	g / cm ³	0,96
Water Absorption	ASTM D570	%	<0.01
Mechanical properties			
Wear resistance	Sand-slurry		82
Hardness	ASTM D2240	Shore D	63 - 69
Tensile Strength at yield 73°F	ASTM D638	psi	2700
Tensile Modulus	ASTM D638	psi	100000
Elongation at Break	ASTM D638	%	>265
Compressive Strength	ASTM D695	psi	3000
Coefficient of Friction, Dynamic			0.10-0.22
Coefficient of Friction, Static			0.15-0.20
Izod Impact Strength	ASTM D4020		110
Thermal properties			
CTE, linear	ASTM D696	1/K	1.0 x 10 ⁻⁴
Melting Point		°F	266 - 275
Maximum Service Temperature, Air		°F	180
Flammability, UL94		1/8 inch	HB
Electrical properties			
Volume Resistivity	ASTM D257	Ωcm	>10 ¹⁵
Dielectric constant	ASTM D150	1MHz	2.3
Surface resistivity	ASTM D257	Ω/cm	>10 ¹²



	Test method	Unit	Guideline value
Compliance properties			
FDA			No
NSF			No
USDA			No

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.



Röchling Industrial Gastonia, LP

903 Gastonia Technology Parkway • 28034 Dallas/United States (US) • Tel. +1 704 922-7814
info.gastonia@roechling.com • www.roechling.com/industrial/rep-us

Print: 27/07/2024 • Draft: 21/09/2023

PIM-Version: 26 • PIM-ID: 717952 • PIM-Code: 26-19-11.10.121-5.11-2

Page 2 / 2 (Dates in DD/MM/YYYY)

