

Technical Data Sheet

Polystone[®] P MG - ASTM

[PP / Medical Grade Polypropylene]

Product applications

- Mechanical engineering

	Test method	Unit	Guideline Value
General properties			
Density	ASTM D792	g / cm ³	0,91
Water Absorption	ASTM D570	%	<0.1
Mechanical properties			
Hardness	ASTM D2240	Shore D	72
Tensile Strength at yield 73°F	ASTM D638	psi	4700
Elongation at Break	ASTM D638	%	>400
Flexural Strength	ASTM D790	psi	180000
Izod Impact, Notched	ASTM D256	ft-lb/in	1.0
Coefficient of Friction, Dynamic			0.25-0.28
Thermal properties			
CTE, linear	ASTM D696	in/in/°F	6x10 ⁻⁵
Melting Point		°F	323
Maximum Service Temperature, Air		°F	180
Heat Deflection Temperature 264psi	ASTM D648	°F	210
Flammability, UL94		1/8 inch	HB
Electrical properties			
Surface resistivity	ASTM D257	Ω/cm	>10 ¹⁴
Compliance Properties			
FDA			Yes
USP Class VI	ASTM Certified		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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