

## Technical Data Sheet

### Polystone<sup>®</sup> P MG - ASTM

[PP / Medical Grade Polypropylene]

#### Product applications

- Mechanical engineering

	Test method	Unit	Guideline Value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	0,91
Water Absorption	ASTM D570	%	<0.1
<b>Mechanical properties</b>			
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
<b>Thermal properties</b>			
CTE, linear	ASTM D696	in/in/°F	6x10 <sup>-5</sup>
Melting Point		°F	323
Maximum Service Temperature, Air		°F	180
Heat Deflection Temperature 264psi	ASTM D648	°F	210
Flammability, UL94		1/8 inch	HB
<b>Electrical properties</b>			
Surface resistivity	ASTM D257	Ω/cm	>10 <sup>14</sup>
<b>Compliance Properties</b>			
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.