

### Technical Data Sheet

# Polystone<sup>®</sup> M Reprocessed - ASTM

#### Typical characteristics

- Economical grade
- Low coefficient of friction
- Very good abrasion and wear resistance

#### Typical industries

- 컨베이어 기술 및 자동화
- Utility and special vehicles

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	0.93 - 0.94
Water Absorption	ASTM D570	%	<0.01
<b>Mechanical properties</b>			
Wear resistance	Sand-slurry		90
Hardness	ASTM D2240	Shore D	63 - 69
Tensile Strength at yield 73°F	ASTM D638	psi	3000
Tensile Modulus	ASTM D638	psi	100000
Elongation at Break	ASTM D638	%	>290
Compressive Strength	ASTM D695	psi	2800
Izod Impact, Notched	ASTM D256	ft-lb/in	No Break
Coefficient of Friction, Dynamic			0.10-0.22
Coefficient of Friction, Static			0.15-0.25
Izod Impact Strength	ASTM D4020		96
<b>Thermal properties</b>			
CTE, linear	ASTM D696	in/in/°F	1.1 x 10 <sup>-4</sup>
Melting Point		°F	266 - 275
Maximum Service Temperature, Air		°F	180
Heat Deflection Temperature 264psi	ASTM D648	°F	116
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	116
Flammability, UL94		1/8 inch	HB

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	Test method	Unit	Guideline value
<b>Electrical properties</b>			
Dielectric constant	ASTM D150	1MHz	2.3
Dielectric strength	ASTM D149		45
Surface resistivity	ASTM D257	Ω/cm	>10 <sup>12</sup>
<b>Compliance properties</b>			
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.



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