

## Technical Data Sheet

# Polystone<sup>®</sup> M UV-stabilized - ASTM

### Typical characteristics

- Extended life in outdoor locations
- Very good abrasion and wear resistance
- Good impact strength
- UV-resistant

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	0.93
Water Absorption	ASTM D570	%	<0.01
<b>Mechanical properties</b>			
Wear resistance	Sand-slurry		100
Hardness	ASTM D2240	Shore D	63
Tensile Strength at yield 73°F	ASTM D638	psi	3000
Tensile Modulus	ASTM D638	psi	100000
Elongation at Break	ASTM D638	%	>290
Flexural Strength	ASTM D790	psi	3200
Compressive Strength	ASTM D695	psi	2900
Coefficient of Friction, Dynamic			0.10-0.22
Coefficient of Friction, Static			0.15-0.20
<b>Thermal properties</b>			
CTE, linear	ASTM D696	1/K	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	108
Flammability, UL94		1/8 inch	HB
<b>Electrical properties</b>			



	Test method	Unit	Guideline value
Dielectric constant	ASTM D150	1MHz	2.3
Surface resistivity	ASTM D257	Ω/cm	10 <sup>4</sup> - 10 <sup>9</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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Print: 27/07/2024 • Release: 20/09/2023

PIM-Version: 31 • PIM-ID: 717950 • PIM-Code: 31-19-9.121.161.14-2

