

## Technical Data Sheet

# Polystone<sup>®</sup> M AST FDA - ASTM

### Typical characteristics

- Low coefficient of friction
- Reduces built-up of static & electrical charges
- Very good abrasion and wear resistance

### Typical industries

- Пластмассы для индустрии напитков
- Конвейерные технологии и автоматизация
- Пищевая промышленность

	Test method	Unit	Guideline value
<b>General properties</b>			
Density	ASTM D792	g / cm <sup>3</sup>	0.94
Water Absorption	ASTM D570	%	<0.01
<b>Mechanical properties</b>			
Wear resistance	Sand-slurry		100
Hardness	ASTM D2240	Shore D	62 - 66
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	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	108
Flammability, UL94		1/8 inch	HB
<b>Electrical properties</b>			
Dielectric constant	ASTM D150	1MHz	2.3

#### Röchling Industrial Gastonia, LP

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	Test method	Unit	Guideline value
Surface resistivity	ASTM D257	$\Omega/\text{sq}$	$10^6 - 10^{11}$
<b>Compliance properties</b>			
FDA			Yes
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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