

## Matrox

### Product characteristics

- High Abrasion & Wear Resistance
- Low surface friction
- Corrosion resistant

### Typical field of application

- Chute and hopper liners
- Railer liners
- Bucket & Shovel Liners

	ASTM Test method	Unit	Value
<b>Physical Properties</b>			
Specific Gravity	D792	g/cm <sup>3</sup>	0.93
Water Absorption	D570	%	≤ 0.01
<b>Mechanical Properties</b>			
Hardness	D785	Shore D	63
Tensile Strength at yield 73 °F	D638	psi	2900
Tensile Modulus	D638	psi	84000
Elongation at Break	D638	%	≥350
Izod Impact, Notched	D256	ft-lb/in	No Break
Wear resistance	Sand Slurry	-	80
<b>Thermal properties</b>			
CTE, linear	D696	°F	1.11 x 10 <sup>-4</sup>
Melting Point	D3418	°F	275
Maximum Service Temperature, Air permanent	-	°F	176
Maximum Service Temperature, Air short term	-	°F	266
Deflection Temperature at 1.8Mpa (264psi)	D648	°F	174
Flammability, UL94	-	1/8 inch	HB
<b>Electrical properties</b>			
Dielectric constant	D150	-	2.3
Surface resistivity	D257	Ohm/cm	≥10 <sup>14</sup>
Dielectric strength	D149	V/mil	45
<b>Compliance Properties</b>			
FDA	-	-	Yes
NSF	-	-	No
USDA	-	-	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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