MODERN plastics
Setting the Standards

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74-Years in Business in 2019 | ISO 9001:2015 & ISO 13485:2016 Certified

Technical data sheet

Matrox®

Product characteristics

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

Typical field of application

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

Physical Properties	tested method	unit	value
Specific Gravity	D792	g/cm^3	0.93
Water Absorption	D570	%	≤ 0.01
Mechanical Properties	**tested method**	**unit**	**value**
Hardness	D785	Shore D	63
Tensile Strength at yield 73 °F	D638	psi	2,900
Tensile Modulus	D638	psi	84,000
Elongation at Break	D638	%	≥350
Izod Impact, Notched	D256	ft-lb/in	No Break
Coefficient of Friction, Dynamic	-	-	0.08
Coefficient of Friction, Static	-	-	0.12
Wear resistance	Sand Slurry	-	80
Thermal Properties	**tested method**	**unit**	**value**
CTE, linear	D696	°F	1.11 x 10^{-4}
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	-	⅛ inch	HB
Electrical Properties	**tested method**	**unit**	**value**
Dielectric constant	D150	-	2.3
Surface resistivity	D257	Ohm/cm	≥10^{14}
Dielectric strength	D149	V/mil	45
Compliance Properties	**tested method**	**unit**	**value**
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.