

### Technical Data Sheet

## Matrox<sup>®</sup> AST UV-stabilized - ASTM

#### Typical characteristics

- Low surface energy
- Corrosion resistant
- Very good abrasion and wear resistance
- UV-resistant

#### Typical industries

- Doprava sypkého materiálu

	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
Carbon Black Content	ISO6964	%	n/a
<b>Mechanical properties</b>			
Tensile Strength at Yield	ASTM D638	psi	2900
Hardness	ASTM D2240	Shore D	63
Tensile Modulus	ASTM D638	psi	84000
Tensile Elongation	ASTM D638	%	>250
<b>Thermal properties</b>			
Melting Point		°F	275
Maximum Service Temperature, Air		°F	180
Deflection Temperature at 1.8Mpa (264psi)	ASTM D648	°F	174
Coefficient of Linear Thermal Expansion	ASTM D696	in/in/°F x10 <sup>-4</sup>	1.11
<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>

