

Technical Data Sheet

Matrox[®] AST UV-stabilized - ASTM

Typical characteristics

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

Typical industries

- Convoyage de matières en vrac

| | Test method | Unit | Guideline value |
|---|-------------|----------------------------|-------------------|
| General properties | | | |
| Densité | ASTM D792 | g / cm ³ | 0.93 |
| Water Absorption | ASTM D570 | % | <0.01 |
| Carbon Black Content | ISO6964 | % | n/a |
| Mechanical properties | | | |
| 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 |
| Thermal properties | | | |
| 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 ⁻⁴ | 1.11 |
| Electrical properties | | | |
| Dielectric constant | ASTM D150 | 1MHz | 2.3 |
| Dielectric strength | ASTM D149 | | 45 |
| Surface resistivity | ASTM D257 | Ω/cm | >10 ¹² |

