

Technical Data Sheet

Polystone[®] M XL Crosslinked - ASTM

Typical characteristics

- Long service life
- Chemical resistance
- Good wear resistance

| | Test method | Unit | Guideline value |
|----------------------------------|-------------|---------------------|------------------------|
| General properties | | | |
| Density | ASTM D792 | g / cm ³ | 0.93 |
| Water Absorption | ASTM D570 | % | <0.01 |
| Mechanical properties | | | |
| Wear resistance | Sand-slurry | | 85 |
| Hardness | ASTM D2240 | Shore D | 62 - 66 |
| Tensile Strength at yield 73°F | ASTM D638 | psi | 2900 |
| Tensile Modulus | ASTM D638 | psi | 100000 |
| Elongation at Break | ASTM D638 | % | >330 |
| Izod Impact, Notched | ASTM D256 | ft-lb/in | No Break |
| Coefficient of Friction, Dynamic | | | 0.10-0.22 |
| Coefficient of Friction, Static | | | 0.15-0.20 |
| Thermal properties | | | |
| CTE, linear | ASTM D696 | 1/K | 2.0 x 10 ⁻⁴ |
| Melting Point | | °F | 266 - 275 |
| Maximum Service Temperature, Air | | °F | 180 |
| Flammability, UL94 | | 1/8 inch | HB |
| Electrical properties | | | |
| Dielectric constant | ASTM D150 | 1MHz | 2.3 |
| Surface resistivity | ASTM D257 | Ω/cm | >10 ¹² |
| Compliance properties | | | |
| FDA | | | No |
| NSF | | | No |



| | Test method | Unit | Guideline value |
|------|-------------|------|-----------------|
| 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.

