

Technical Data Sheet

Polystone[®] MPG Glass Filled - ASTM

Typical characteristics

- Low coefficient of friction
- Long service life
- Very good abrasion and wear resistance

Typical industries

- Ingegneria meccanica e impiantistica
- Tecnologia di trasporto e automazione

| | Test method | Unit | Guideline value |
|----------------------------------|-------------|---------------------|------------------------|
| General properties | | | |
| Density | ASTM D792 | g / cm ³ | 0,96 |
| Water Absorption | ASTM D570 | % | <0.01 |
| Mechanical properties | | | |
| Wear resistance | Sand-slurry | | 82 |
| Hardness | ASTM D2240 | Shore D | 63 - 69 |
| Tensile Strength at yield 73°F | ASTM D638 | psi | 2700 |
| Tensile Modulus | ASTM D638 | psi | 100000 |
| Elongation at Break | ASTM D638 | % | >265 |
| Compressive Strength | ASTM D695 | psi | 3000 |
| Coefficient of Friction, Dynamic | | | 0.10-0.22 |
| Coefficient of Friction, Static | | | 0.15-0.20 |
| Izod Impact Strength | ASTM D4020 | | 110 |
| Thermal properties | | | |
| CTE, linear | ASTM D696 | 1/K | 1.0 x 10 ⁻⁴ |
| Melting Point | | °F | 266 - 275 |
| Maximum Service Temperature, Air | | °F | 180 |
| Flammability, UL94 | | 1/8 inch | HB |
| Electrical properties | | | |
| Volume Resistivity | ASTM D257 | Ωcm | >10 ¹⁵ |
| Dielectric constant | ASTM D150 | 1MHz | 2.3 |
| Surface resistivity | ASTM D257 | Ω/cm | >10 ¹² |



| | Test method | Unit | Guideline value |
|------------------------------|-------------|------|-----------------|
| Compliance properties | | | |
| FDA | | | No |
| NSF | | | No |
| 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.



Röchling Industrial Gastonia, LP

903 Gastonia Technology Parkway • 28034 Dallas/United States (US) • Tel. +1 704 922-7814
info.gastonia@roechling.com • www.roechling.com/industrial/rep-us

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