

Technical Data Sheet

Polystone[®] M flame retardant - ASTM

PE-UHMW / PE 1000

Typical characteristics

- Flame retardant
- Self-extinguishing
- Antistatic
- High temperature resistance

Typical industries

- Bulk Material Handling

| | Test method | Unit | Guideline value |
|-----------------------------------------|-------------|----------------------------|-------------------|
| General properties | | | |
| Carbon Black Content | ISO6964 | % | n/a |
| Thermal properties | | | |
| Melting Point | | °F | 266-275 |
| Maximum Service Temperature, Air | | °F | 180 |
| Coefficient of Linear Thermal Expansion | ASTM D696 | in/in/°F x10 ⁻⁴ | 2 |
| Electrical properties | | | |
| Volume Resistivity | ASTM D257 | Ωcm | >10 ¹⁵ |
| Dielectric constant | ASTM D150 | 1MHz | 2.3 |
| Surface resistivity | ASTM D257 | Ω/cm | >10 ¹² |
| Compliance properties | | | |
| MSHA Approved for underground mining | | | 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.

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