

Technical Data Sheet

Polystone[®] M soft - ASTM

PE-UHMW / PE 1000

Typical characteristics

- Good sliding properties with soft sliding partners
- Low coefficient of friction
- Good wear properties

Typical industries

- Conveyor Technology & Automation
- Mechanical Engineering Industry

| | Test method | Unit | Guideline value |
|------------------------------|-------------|---------------------|-----------------|
| General properties | | | |
| Density | ASTM D792 | g / cm ³ | 0.93 |
| Carbon Black Content | ISO6964 | % | n/a |
| Mechanical properties | | | |
| Tensile Strength at Yield | ASTM D638 | psi | 3000 |
| Hardness | ASTM D2240 | Shore D | 59 |
| Thermal properties | | | |
| Flammability, UL94 | | 1/8 inch | HB |
| Compliance properties | | | |
| FDA | | | 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.

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 13/06/2026 • Release: 08/04/2024 • Version: 1.0
 PIM-ID: 717977 • PIM-Code: 40-19-11.12.126-11.5-2
 Company-IDs: 23070

Page 1 / 1 (Dates in DD/MM/YYYY)

