

Technisches Datenblatt

Polystone[®] G Pipe Grade - ASTM

Typische Eigenschaften

- Excellent weldability
- UV-stabilisiert und farbecht
- Chemikalienbeständigkeit

Typische Industrien

- Chemischer Behälter- und Anlagenbau
- Maschinen- und Anlagenbau
- Bauindustrie
- Aquafarming
- Trink- und Abwassertechnik
- Lagerbehälter

| | Testverfahren | Einheit | Wert |
|---|---------------|----------------------------|---------|
| Allgemeine Eigenschaften | | | |
| Dichte | ASTM D792 | g / cm ³ | 0.96 |
| Water Absorption | ASTM D570 | % | <0.10 |
| Carbon Black Content | ISO6964 | % | 2 |
| Mechanische Eigenschaften | | | |
| Härte | ASTM D2240 | Shore D | 65 |
| Tensile Strength at yield 73°F | ASTM D638 | psi | 3625 |
| Tensile Modulus | ASTM D638 | psi | 150000 |
| Reißdehnung | ASTM D638 | % | >600 |
| Flexural Strength | ASTM D790 | psi | 120,000 |
| Flexural Modulus | ASTM D790 | psi | 150000 |
| Izod Impact, Notched | ASTM D256 | ft-lb/in | 9.0 |
| Thermische Eigenschaften | | | |
| Coefficient of Linear Thermal Expansion | ASTM D696 | in/in/°F x10 ⁻⁵ | 6 |
| Vicat Softening Point | ISO306 | °F | 259 |
| Maximum Service Temperature, Air | | °F | 180 |
| Heat Deflection Temperature 264psi | ASTM D648 | °F | 175 |
| Brittleness Temperature | ASTM D746 | °F | -180 |
| Compliance properties | | | |
| FDA | | | No |



| | Testverfahren | Einheit | Wert |
|------|---------------|---------|------|
| 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.

