

Technical Data Sheet

Starke™ PVDF Solid Rods

| Typical Property | Value | Unit | Test Method |
|---|-------------|-------------------|-------------|
| Density | 1.78 | g/cm ³ | ASTM D792 |
| Melt Flow Rate (230°C, 5kg) | 1.5-3.0 | g/10min | ASTM D1238 |
| Tensile Modulus | 1700 – 2300 | MPa | ASTM D638 |
| Tensile Strength at Yield | 45 – 55 | MPa | ASTM D638 |
| Tensile Strength at Break | 35 – 55 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 5 – 10 | % | ASTM D638 |
| Tensile Elongation at Break | > 50 | % | ASTM D638 |
| Taber Abrasion Resistance (1000 cycles, 1000 g, CD-10 Wheel) | 5-10 | mg | ASTM D4060 |
| Charpy Notched Impact Strength (23 °C) | 40 – 120 | j/m | ASTM D6110 |
| Notched Izod Impact Strength (23 °C) | 110 | j/m | ASTM D256 |
| Durometer Hardness (Shore D, 1 sec, 2,00 mm) | 73 – 80 | | ASTM D2240 |
| Water Absorption | <0.04 | % | ASTM D570 |
| Physiologically Safe | YES | | |

All technical specifications are approximate values and may vary depending on the processing methods used.

Safety and Handling:

Starke PVDF Solid Rods presents no safety hazard under normal handling conditions.

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