



PEEK ZOVGOV® M550PF

| Test Item | Test Method | Conditions | Units | Test Data |
|-----------------------------|-------------|-------------|-----------------------|-----------|
| Mechanical Data | | | | |
| Tensile Strength | ISO 527 | Yield, 23°C | MPa | 100 |
| Tensile Elongation | ISO 527 | Break, 23°C | % | 25 |
| Flexural Strength | ISO 178 | Yield, 23°C | MPa | 160 |
| Flexural Modulus | ISO 178 | 23°C | GPa | 4.1 |
| Izod Impact Strength | ISO 180/A | Notched | kJ m^{-2} | 5.5 |
| | ISO 180/U | Unnotched | kJ m^{-2} | - |
| Mould Shrinkage | ISO 294-4 | Along Flow | % | 1 |
| | | Across Flow | % | 1.3 |
| Thermal Data | | | | |
| Melting Point | ISO 11357 | - | °C | 343 |
| Glass Transition (Tg) | ISO 11357 | Onset | °C | 143 |
| Flow | | | | |
| Melt Index | ISO 1133 | 380°C, 5kg | g 10min^{-1} | 20 |
| Miscellaneous | | | | |
| Density | ISO 1183 | Crystalline | g cm^{-3} | 1.3 |
| Volume Density | ISO 1183 | - | g cm^{-3} | 0.3 |
| Average Particle Size (D50) | ISO 13320-1 | - | μm | 50,75 |

*Result based on similar products