



Maxxam™ PP-20GF/000 BLACK

Polypropylene

Key Characteristics

| Product Description | |
|------------------------------------|----------------------|
| Glass fiber reinforced PP compound | |
| General | |
| Material Status | • Commercial: Active |
| Regional Availability | • Asia Pacific |
| Filler / Reinforcement | • Glass Fiber |
| Appearance | • Black |
| Processing Method | • Injection Molding |

Technical Properties ¹

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|--|-------------------------|--------------------|-------------|
| Density / Specific Gravity | 1.03 | 1.03 | ASTM D792 |
| Mechanical | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Modulus | 464000 psi | 3200 MPa | ASTM D638 |
| Tensile Strength (Yield) | 4350 psi | 30.0 MPa | ASTM D638 |
| Flexural Modulus | 435000 psi | 3000 MPa | ASTM D790 |
| Flexural Strength (Yield) | 5800 psi | 40.0 MPa | ASTM D790 |
| Impact | Typical Value (English) | Typical Value (SI) | Test Method |
| Notched Izod Impact | 1.8 ft-lb/in | 95 J/m | ASTM D256 |
| Thermal | Typical Value (English) | Typical Value (SI) | Test Method |
| Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed | 277 °F | 136 °C | ASTM D648 |
| Flammability | Typical Value (English) | Typical Value (SI) | Test Method |
| Flame Rating (0.06 in (1.5 mm)) | HB | HB | UL 94 |

Processing Information

| Injection | Typical Value (English) | Typical Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature | 176 to 185 °F | 80 to 85 °C |
| Drying Time | 4.0 to 6.0 hr | 4.0 to 6.0 hr |
| Processing (Melt) Temp | 356 to 428 °F | 180 to 220 °C |
| Mold Temperature | 140 to 194 °F | 60 to 90 °C |

Injection Notes

Injection Pressure: MED-HIGH

Hold Pressure: MED-HIGH

Screw Speed: MODERATE

Back Pressure: LOW

Notes

¹ Typical values are not to be construed as specifications.