



Maxxam™ CL10 GF/40 Natural 70

Polypropylene Copolymer

Key Characteristics

| Product Description | |
|--------------------------------------|-------------------------------------|
| Impact modified, Good heat stability | |
| General | |
| Material Status | • Commercial: Active |
| Regional Availability | • Europe |
| Filler / Reinforcement | • Glass Fiber, 40% Filler by Weight |
| Appearance | • Natural Color |
| Processing Method | • Injection Molding |

Technical Properties ¹

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|--------------------------|------------------------|-------------|
| Density | 1.20 g/cm ³ | 1.20 g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 10 g/10 min | 10 g/10 min | ISO 1133 |
| Mechanical | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Modulus (Injection Molded) | 870000 psi | 6000 MPa | ISO 527-2/1 |
| Tensile Strength ² | 8700 psi | 60.0 MPa | ISO 527-2 |
| Tensile Strain (Break, Injection Molded) | 5.8 % | 5.8 % | ISO 527-2/5 |
| Impact | Typical Value (English) | Typical Value (SI) | Test Method |
| Notched Izod Impact Strength 73°F (23°C), Injection Molded | 11 ft-lb/in ² | 24 kJ/m ² | ISO 180 |
| Flammability | Typical Value (English) | Typical Value (SI) | Test Method |
| Flame Rating (0.06 in (1.6 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 | 2.0 to 3.0 hr | 2.0 to 3.0 hr |
| Rear Temperature | 392 to 464 °F | 200 to 240 °C |
| Middle Temperature | 392 to 464 °F | 200 to 240 °C |
| Front Temperature | 392 to 464 °F | 200 to 240 °C |
| Mold Temperature | 104 to 176 °F | 40 to 80 °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.

² 0.20 in/min (5.0 mm/min)