

Optipro CP30G

The Materials Group - Polypropylene Copolymer

General Information

General

| | |
|------------------------|-------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Filler / Reinforcement | • Glass Fiber, 30% Filler by Weight |
| Features | • Excellent Processability |
| Appearance | • Black • Natural Color |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Density | 1.12 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.0 | g/10 min | ASTM D1238 |
| Ash Content | 30 | % | ASTM D5630 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 11000 | psi | ASTM D638 |
| Tensile Elongation (Break) | 4.5 | % | ASTM D638 |
| Flexural Modulus | 755000 | psi | ASTM D790 |
| Flexural Strength (Yield) | 15500 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 1.8 | ft·lb/in | ASTM D256 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Rear Temperature | 410 to 460 | °F |
| Middle Temperature | 410 to 460 | °F |
| Front Temperature | 400 to 470 | °F |
| Nozzle Temperature | 410 to 460 | °F |
| Processing (Melt) Temp | 400 to 480 | °F |
| Mold Temperature | 80 to 140 | °F |

Notes

¹ Typical properties: these are not to be construed as specifications.

