



Polyfort CPP2B40UVGY308GRY

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

CPP2B40 is a 40% Calcium Carbonate Filled Polypropylene Copolymer

General

| | |
|------------------------|-------------------------------------------|
| Filler / Reinforcement | • Calcium Carbonate, 40% Filler by Weight |
| Features | • Copolymer |
| Appearance | • Colors Available |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties¹

| Physical | Nominal Value | Unit | Test Method |
|--------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity | 1.25 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 9.9 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 73°F) | 3050 | psi | ASTM D638 |
| Tensile Elongation (Yield, 73°F, 0.125 in) | 7.0 | % | ASTM D638 |
| Flexural Modulus (73°F) | 379000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F) | 2.4 | ft-lb/in | ASTM D256 |
| Gardner Impact (73°F) | 172 | in-lb | ASTM D5420 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|----------------|------|
| Drying Temperature | 180 to 219 | °F |
| Drying Time | 2.0 to 4.0 | hr |
| Rear Temperature | 370 to 450 | °F |
| Middle Temperature | 370 to 450 | °F |
| Front Temperature | 370 to 450 | °F |
| Processing (Melt) Temp | 390 to 450 | °F |
| Mold Temperature | 70 to 120 | °F |
| Injection Rate | Moderate | |
| Back Pressure | 20.0 to 300 | psi |
| Cushion | 0.250 to 0.500 | in |