

Technical Data Sheet

Polyfort CPP3C20HBGY237GRY



Polypropylene, Unspecified (PP, Unspecified)

Product Description

CPP3C20HB is a 20% Calcium Carbonate Filled Polypropylene

| | |
|-----------------------------|------------------------|
| Processing Method | Injection Molding |
| Forms | Pellets |
| Appearance | Colors Available |
| Filler/Reinforcement | Calcium Carbonate, 20% |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|----------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 18 | g/10 min | ASTM D1238 |
| Mechanical | | | |
| Tensile Elongation at Yield | 11 | % | ASTM D638 |
| Tensile Strength at Yield, (23 °C, 3.18 mm) | 22.7 | MPa | ASTM D638 |
| Flexural Modulus, (23 °C, 3.18 mm) | 1710 | MPa | ASTM D790 |
| Impact | | | |
| Gardner Impact, (23 °C, 3.18 mm) | 21.1 | J | ASTM D5420 |
| Notched Izod Impact, (23 °C, 3.18 mm) | 130 | J/m | ASTM D256 |

| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 2.0 to 4.0 | hr |
| Drying Temperature | 82 to 104 | °C |
| Processing (Melt) Temp | 199 to 232 | °C |
| Front Temperature | 188 to 232 | °C |
| Middle Temperature | 188 to 232 | °C |
| Rear Temperature | 188 to 232 | °C |
| Injection Rate | Moderate | |
| Back Pressure | 0.138 to 2.07 | MPa |
| Mold Temperature | 21 to 49 | °C |
| Cushion | 6.35 to 12.7 | mm |