

Technical Data Sheet

Polyfort CPP1B40BKBLK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyfort CPP1B40BKBLK is a Polypropylene, Unspecified Calcium Carbonate, 40% filled material and is typically used in Injection Molding applications.

| | |
|-----------------------------|------------------------|
| Processing Method | Injection Molding |
| Forms | Pellets |
| Filler/Reinforcement | Calcium Carbonate, 40% |

| Typical Properties | Nominal Value | Units | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 7.0 | g/10 min | ASTM D1238 |
| Density - Specific Gravity | 1.25 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Elongation at Yield | 7 | % | ASTM D638 |
| Tensile Strength at Yield | 24.8 | MPa | ASTM D638 |
| Flexural Modulus | 2960 | MPa | ASTM D790 |
| Impact | | | |
| Gardner Impact | 15.6 | J | ASTM D5420 |
| Notched Izod Impact | 64 | J/m | ASTM D256 |

| Injection Parameters | 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 |