

Technical Data Sheet

Polyfort PP-68/TC/20 BK9526BLK



Polypropylene Copolymer

Product Description

Polyfort PP-68/TC/20 BK9526BLK is a Polypropylene Copolymer Talc, 20% filled material. Features include: Copolymer.

| | |
|-----------------------------|-----------|
| Attribute | Copolymer |
| Forms | Pellets |
| Filler/Reinforcement | Talc, 20% |

| 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 | 1.06 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength, (23 °C) | 27.6 | MPa | ASTM D638 |
| Tensile Elongation at Yield, (23 °C) | 30 | % | ASTM D638 |
| Flexural Modulus, (23 °C, Tangent) | 2340 | MPa | ASTM D790 |
| Tensile Modulus, (23 °C) | 2480 | MPa | ASTM D638 |
| Flexural Strength, (23 °C) | 40.0 | MPa | ASTM D790 |
| Impact | | | |
| Notched Izod Impact, (23 °C, 3.18 mm) | 80 | J/m | ASTM D256 |
| Hardness | | | |
| Rockwell Hardness, (R-Scale) | 80 to 85 | | ASTM D785 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 76.7 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi) | 82.2 | °C | ASTM D648 |
| Additional Information | | | |
| Water Absorption at 24 hrs | 0.02 | % | ASTM D570 |

| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 2 | hr |
| Drying Temperature | 77 | °C |
| Suggested Max Moisture | 0.2 | % |
| Nozzle Temperature | 182 to 193 | °C |
| Processing (Melt) Temp | 199 to 232 | °C |
| Front Temperature | 182 to 199 | °C |
| Middle Temperature | 204 to 227 | °C |
| Rear Temperature | 199 to 210 | °C |
| Injection Rate | Slow-Moderate | |
| Back Pressure | 0.00 to 0.689 | MPa |
| Mold Temperature | 32 to 71 | °C |