

Technical Data Sheet

Polyfort PP3C0GY268GRY



Polypropylene Copolymer

Product Description

Matrixx PP3C0 is a High Flow Polypropylene Copolymer

| | |
|--------------------------|-------------------|
| Processing Method | Injection Molding |
| Attribute | Copolymer |
| Forms | Pellets |
| Appearance | Colors Available |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 18 | g/10 min | ASTM D1238 |
| Density - Specific Gravity | 0.908 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength at Yield, (23 °C) | 26.2 | MPa | ASTM D638 |
| Flexural Modulus, (Tangent) | 1240 | MPa | ASTM D790 |
| Impact | | | |
| Gardner Impact | 19.2 | J | ASTM D5420 |
| Notched Izod Impact, (23 °C, 3.18 mm) | 110 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 43.3 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi) | 76.7 | °C | ASTM D648 |

| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 2.0 to 4.0 | hr |
| Drying Temperature | 82 to 104 | °C |
| Processing (Melt) Temp | 193 to 232 | °C |
| Front Temperature | 177 to 232 | °C |
| Middle Temperature | 177 to 232 | °C |
| Rear Temperature | 177 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 |