

Technical Data Sheet

Polyfort RPP30ER13GY-GY GAPEX HPGRY



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Gapex RPP30ER13GY is a 30% Glass-Reinforced Polypropylene

| | |
|-----------------------------|-------------------|
| Processing Method | Injection Molding |
| Forms | Pellets |
| Appearance | Grey |
| Filler/Reinforcement | Glass Fiber, 30% |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|----------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 4.1 | g/10 min | ASTM D1238 |
| Mechanical | | | |
| Tensile Strength, (23 °C) | 69.6 | MPa | ASTM D638 |
| Flexural Modulus | 5490 | MPa | ASTM D790 |
| Impact | | | |
| Notched Izod Impact, (23 °C) | 75 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 145 | °C | ASTM D648 |

| Injection Parameters | Nominal Value | Units |
|------------------------|----------------|-------|
| Drying Time | 2.0 to 4.0 | hr |
| Drying Temperature | 71 to 82 | °C |
| Nozzle Temperature | 232 to 260 | °C |
| Processing (Melt) Temp | 221 to 238 | °C |
| Front Temperature | 232 to 260 | °C |
| Middle Temperature | 227 to 243 | °C |
| Rear Temperature | 221 to 238 | °C |
| Injection Rate | Slow-Moderate | |
| Back Pressure | 0.138 to 0.345 | MPa |
| Mold Temperature | 38 to 66 | °C |
| Cushion | 5.08 to 12.7 | mm |