

EXCELLOY CKF51G20

Polycarbonate + ABS

Techno Polymer Co, Ltd.

Message:

EXCELLOY CKF51G20 is a Polycarbonate + ABS (PC+ABS) product filled with 20% glass fiber. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

Flame Rated

Flame Retardant

| General Information | | | |
|--|----------------------------------|-------------------|-------------|
| UL YellowCard | E54297-100145871 | | |
| Filler / Reinforcement | Glass Fiber,20% Filler by Weight | | |
| Additive | Flame Retardant | | |
| Features | Flame Retardant | | |
| UL File Number | E54297 | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.34 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (240°C/10.0 kg) | 17 | g/10 min | ISO 1133 |
| Molding Shrinkage | 0.10 to 0.30 | % | ISO 294-4 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 114 | | ISO 2039-2 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 95.0 | MPa | ISO 527-2 |
| Flexural Modulus | 5760 | MPa | ISO 178 |
| Flexural Stress | 128 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | 7.0 | kJ/m ² | ISO 179 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 111 | °C | ISO 75-2/B |
| Flammability | Nominal Value | | Test Method |
| Flame Rating | | | UL 94 |
| 1.50 mm, ALL | V-0 | | |
| 2.50 mm, ALL | 5VB | | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 100 to 110 | °C | |
| Drying Time | 2.0 to 5.0 | hr | |
| Rear Temperature | 190 to 260 | °C | |
| Middle Temperature | 190 to 260 | °C | |

| | | |
|-------------------|--------------|----|
| Front Temperature | 190 to 260 | °C |
| Mold Temperature | 40.0 to 80.0 | °C |

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