

Maxxam™ BL-818.G001-1017

Polypropylene

PolyOne Corporation

Message:

Maxxam™BL-818.G001-1017 is a polypropylene product, and the filler is 40% glass fiber reinforced material. It can be processed by injection molding and is available in the Asia-Pacific region. The main characteristics are: flame retardant/rated flame.

| General Information | | | |
|--|---|-------------------|--------------|
| Filler / Reinforcement | Glass fiber reinforced material, 40% filler by weight | | |
| Appearance | Natural color | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.22 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow | 0.20 - 0.60 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ | 90.0 | MPa | ASTM D638 |
| Flexural Modulus ² | 7200 | MPa | ASTM D790 |
| Flexural Strength ³ | 135 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.20 mm) | 100 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 145 | °C | ASTM D648 |
| Electrical | Nominal Value | Unit | Test Method |
| Surface Resistivity | 1.0E+15 | ohms | ASTM D257 |
| Charge Decay Time - 12% RH, 5000 kV to 50 kV | 2777777853490.1 | hr | MIL B-81705C |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (1.50 mm) | HB | | UL 94 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 - 85.0 | °C | |
| Drying Time | 2.0 - 3.0 | hr | |
| Rear Temperature | 200 - 240 | °C | |
| Middle Temperature | 200 - 240 | °C | |
| Front Temperature | 200 - 240 | °C | |
| Mold Temperature | 30.0 - 60.0 | °C | |
| Injection instructions | | | |
| Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW | | | |
| NOTE | | | |
| 1. | 5.0 mm/min | | |
| 2. | 1.3 mm/min | | |

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