

McCann PP M30GHPPCC

Polypropylene Homopolymer

McCann Plastics Inc.

Message:

Chemically Coupled-Excellent Heat Deflection Properties
Glass Filled 30%, Polypropylene Homopolymer / Lawn & Garden, Automotive, Appliance, and general purpose applications requiring low impact, high stiffness, and medium flow. Custom color and UV stabilized versions also available.

| General Information | | | |
|---|-----------------------------------|-------------------|-------------|
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Features | Chemically Coupled | | |
| | Good Flow | | |
| | Good Stiffness | | |
| | High Heat Resistance | | |
| | Homopolymer | | |
| Uses | Low Temperature Impact Resistance | | |
| | Appliances | | |
| | Automotive Applications | | |
| | General Purpose | | |
| | Lawn and Garden Equipment | | |
| Appearance | Colors Available | | |
| | Natural Color | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.13 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.30 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 79.3 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 6.0 | % | ASTM D638 |
| Flexural Modulus - Tangent | 4830 | MPa | ASTM D790 |
| Flexural Strength | 110 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 75 | J/m | ASTM D256 |
| Gardner Impact | 0.678 | J | ASTM D3029 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |

| | | |
|----------------------|-----|----|
| 0.45 MPa, Unannealed | 157 | °C |
| 1.8 MPa, Unannealed | 143 | °C |

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