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| Material Type Homopolymer | Trademark Ecolene™ | Grade Name PP8008-BK1 |
| Feature | <ul style="list-style-type: none"> 40% Glass-Reinforced Polypropylene Resin (Homopolymer) | |
| Material Standard | <ul style="list-style-type: none"> XXXXXX | |
| Availability | <ul style="list-style-type: none"> Asian-Pacific, America | |
| Processing method | <ul style="list-style-type: none"> Injection Molding | |
| Appearance | <ul style="list-style-type: none"> Color is Optional | |
| Applications | <ul style="list-style-type: none"> Automotive and Engineering parts | |

General Properties

| No. | Properties | Unit | Typical Value | Method | Test condition |
|-----|-----------------------------|-------------------|---------------|----------------|----------------|
| 1 | Filler Content | % | 40 | ISO 3451-1, -4 | |
| 2 | Density | g/mL | 1.24 | ISO 1183 | 23 °C |
| 3 | Melt Point | °C | 160 | ISO 3146 | DSC |
| 4 | Tensile Strength | MPa | 95 | ISO 527 | 5 mm/mm |
| 5 | Tensile Elongation | % | 3.0 | ISO 527 | 5 mm/mm |
| 6 | Flexural Strength | MPa | 141 | ISO 178 | 2 mm/mm |
| 7 | Flexural Modulus | MPa | 7,515 | ISO 178 | 2 mm/mm |
| 8 | Charpy Impact notched | kJ/m ² | 8.2 | ISO 180 | 23 °C |
| 9 | Heat Deflection Temperature | °C | 143 | ISO 75 | 1.8 MPa |

Processing Conditions

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|--------------------|--|
| Drying condition | 70 °C, 1-3 h |
| Molding Temp. | 220 - 250 °C (F), 220 - 240 °C (M), 220 - 240 °C (B) |
| Mold Temp. | 30 - 70 °C |
| Screw Speed | 30 - 100 rpm |
| Injection Pressure | 70 - 100 MPa |
| Back Pressure | 0.30 – 1.40 MPa |

Notes: This technical data in the product brochures are typical test results for reference, and should not be defined as minimum value.