

Flexiblend® PP-1200

Polypropylene + EPDM Rubber

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Flexiblend® PP-1200 is a thermoplastic rubber modified polypropylene compound. This grade offers impact strength and thermal properties.

| General Information | | | |
|---|-----------------------------|-------------------|-------------|
| Features | Good Thermal Stability | | |
| | High Impact Resistance | | |
| | Low Flow | | |
| Uses | Automotive Bumper | | |
| | Automotive Exterior Trim | | |
| | Automotive Instrument Panel | | |
| | Automotive Interior Trim | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.900 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.3 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (3.20 mm) | 1.0 to 1.4 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 22.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 450 | % | ASTM D638 |
| Flexural Modulus | 640 | MPa | ASTM D790 |
| Flexural Strength | 24.0 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 630 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, 4.00 mm) | 101 | °C | ASTM D648 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating (1.60 mm) | HB | UL 94 | |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 60.0 to 80.0 | °C | |
| Drying Time | 2.0 to 4.0 | hr | |
| Rear Temperature | 190 to 200 | °C | |
| Middle Temperature | 195 to 210 | °C | |
| Front Temperature | 215 to 220 | °C | |

| | | |
|--------------------|--------------|----|
| Nozzle Temperature | 210 to 220 | °C |
| Mold Temperature | 30.0 to 60.0 | °C |

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Recommended distributors for this material

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