

REPOL® C320MN

Polypropylene Impact Copolymer

Reliance Industries Limited

Message:

Repol C320MN is recommended for use in Injection Moulding processes where high flow and medium impact strength are required. It is an ideal material to use in appliance parts, automotive compounds, grilled and thin wall products. Repol C320MN contains nucleating agent.

| General Information | | | |
|--|--------------------------|----------|-------------|
| Additive | Nucleating Agent | | |
| Features | Food Contact Acceptable | | |
| | High Flow | | |
| | Medium Impact Resistance | | |
| | Nucleated | | |
| Uses | Appliance Components | | |
| | Automotive Applications | | |
| | Compounding | | |
| | Thin-walled Parts | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| | IS 10909 | | |
| | IS 10910 | | |
| Processing Method | Compounding | | |
| | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 32 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield, Injection Molded) | 20.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Yield, Injection Molded) | 5.0 | % | ASTM D638 |
| Flexural Modulus - 1% Secant (Injection Molded) | 1150 | MPa | ASTM D790A |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, Injection Molded) | 150 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded) | 92.0 | °C | ASTM D648 |
| NOTE | | | |

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|----|-------------------|
| 1. | Type I, 50 mm/min |
| 2. | Type I, 50 mm/min |

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Recommended distributors for this material

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