

REPOL® B400MN

Polypropylene Impact Copolymer

Reliance Industries Limited

Message:

Repol B400MN 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 components, grilled products and thin wall products. Repol B400MN contains nucleating agent.

General Information			
UL YellowCard	E239367-230528		
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)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	26.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	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)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	105	°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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