

# REPOL® B300MN

Polypropylene Impact Copolymer

Reliance Industries Limited

## Message:

REPOL Polypropylene B300MN is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system.

Repol B300MN is high crystalline Impact Copolymer grade recommended for use in Injection Moulding processes. The grade contains nucleating agent. It is an ideal material for making automobile parts where high flow with very high stiffness is required. The grade is also suitable as a compounding base for automotive and appliance sectors.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Good Processing Stability		
	High Flow		
	High Stiffness		
	Highly Crystalline		
	Impact Copolymer		
	Medium Impact Resistance		
	Nucleated		
Uses	Appliances		
	Automotive Applications		
	Compounding		
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)	30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	30.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1650	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C, Injection Molded)	70.0	J/m	ASTM D256
Notched Izod Impact (23°C, Injection Molded)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	115	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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#### Recommended distributors for this material

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