

# REPOL® C120MN

Polypropylene Impact Copolymer

Reliance Industries Limited

## Message:

Repol C120MN is recommended for use in Injection Moulding processes where good impact-stiffness balance is required. It is an ideal material to use in pails, luggage shells, industrial and automotive components. Repol C120MN contains antistatic agents that reduces static charge build-up in products. Repol C120MNN contains nucleating agent.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	Nucleated		
Uses	Automotive Applications		
	Industrial Applications		
	Luggage		
	Pails		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10909		
	IS 10910		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1200	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)	105	°C	ASTM D648
NOTE			
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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