

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 ¹ (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation ² (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
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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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