

Technical Data

Product Description

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

Material Status	• Commercial: Active		
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>		
Search for UL Yellow Card	• <a href="#">Reliance Industries Limited</a> • <a href="#">REPOL®</a>		
Availability	• Asia Pacific		
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 (English)	Nominal Value (SI)	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12 g/10 min	12 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>3</sup> (Yield, Injection Molded)	3480 psi	24.0 MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Yield, Injection Molded)	7.0 %	7.0 %	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	152000 psi	1050 MPa	ASTM D790A
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), Injection Molded	2.8 ft·lb/in	150 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed, Injection Molded	221 °F	105 °C	ASTM D648

Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

<sup>3</sup> Type I, 2.0 in/min (50 mm/min)



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Where to Buy

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Supplier

**Reliance Industries Limited**  
Mumbai, India  
**Telephone:** +91-22-2278-5000  
**Web:** <http://www.ril.com/>

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Distributor

Please contact the supplier to find a distributor for REPOL® C120MN

