

REPOL® H050MN

Polypropylene Homopolymer

Reliance Industries Limited

Message:

Repol H050MN is recommended for Injection Moulding and is an ideal choice as a compounding base and blending material in furniture compound. It is also suitable for moulding rigid containers, housewares and thermowares. Repol H050MN contains nucleating agent for high rigidity, reduced cycle time and antistatic agent that reduces static charge build-up in products.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	High Rigidity		
	Homopolymer		
	Nucleated		
Uses	Containers		
	Furniture		
	Household Goods		
	Rigid Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10909		
	IS 10910		
Processing Method	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.4	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	36.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1750	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C, Injection Molded)	35	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°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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