

# REPOL® R120MK

Polypropylene Random Copolymer  
Reliance Industries Limited

Message:

Repol R120MK is recommended for use in Injection Moulding & Stretch Blow Moulding processes. It is an ideal material for attaining high clarity in housewares, syringes and ISBM products. Repol R120MK contains clarifier and antistatic agent that reduces static charge build-up on products.

General Information			
Additive	Antistatic		
	Clarifier		
Features	Antistatic		
	Food Contact Acceptable		
	High Clarity		
Uses	Blow Molding Applications		
	Bottles		
	Containers		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10909		
	IS 10910		
Processing Method	Injection Molding		
	Stretch Blow 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)	28.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	12	%	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)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648

Peak Melting Temperature <sup>3</sup>	150	°C	ASTM D3418
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		
3.	Second Heating		

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#### Recommended distributors for this material

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