

REPOL® SR20NC

Polypropylene Random Copolymer

Reliance Industries Limited

Message:

Repol SR20NC is recommended for Blow Moulding and Extrusion process. It is an ideal material to use in making clear bottles, containers, ball pen refills, sheets, stationary and items and thermoformed products. The grade contains clarifier. Repol SR20NC complies with the systemic and intracutaneous tests with four different extractants as per USP XXIX and I.P. 96. The grade also complies with undue toxicity test as per E.P. and skin irritation test as per I.S.

General Information			
Additive	Clarifier		
Features	Food Contact Acceptable		
Uses	Blow Molding Applications		
	Bottles		
	Containers		
	Sheet		
	Stationary Supplies		
Agency Ratings	Writing Instruments		
	FDA 21 CFR 177.1520		
	IS 10909		
Processing Method	IS 10910		
	Blow Molding		
	Extrusion		
	Sheet Extrusion		
Physical	Thermoforming		
	Nominal Value		
	Unit		
	Test Method		
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Mechanical	Nominal Value		
Tensile Strength ¹ (Yield, Injection Molded)	30.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	900	MPa	ASTM D790A
Impact	Nominal Value		
Notched Izod Impact (23°C, Injection Molded)	100	J/m	ASTM D256
Thermal	Nominal Value		
Deflection Temperature Under Load (0.45 MPa, Unannealed)	95.0	°C	ASTM D648

NOTE

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|----|-------------------|
| 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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