

# REPOL® SR20NS

Polypropylene Random Copolymer

Reliance Industries Limited

## Message:

Repol SR20NS is recommended for Blow Moulding and Extrusion process. The grade combines high clarity and gloss. Repol SR20NS 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			
Features	Food Contact Acceptable		
	High Clarity		
	High Gloss		
Uses	Blow Molding Applications		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10909		
	IS 10910		
Processing Method	Blow Molding		
	Extrusion		
Physical	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	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	26.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	800	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°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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