

# REPOL® SRM250NC

Polypropylene Random Copolymer

Reliance Industries Limited

## Message:

Repol SRM250NC is recommended for Injection Moulding and stretch blow moulding process. It is an ideal material to use in making high clarity containers, houseware, syringes and ISBM products. The grade contains clarifier and antistatic agent that reduces static charge build-up on products. Repol SRM250NC 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	Antistatic Clarifier		
Features	Food Contact Acceptable High Clarity		
Uses	Containers Household Goods Thin-walled Parts		
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)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	29.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	1000	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

