

Koylene SRM100NC

Polypropylene Random Copolymer

Reliance Industries Limited

Message:

Koylene SRM100NC is Polypropylene Random copolymer suitable for Injection

Moulding and Stretch Blow Moulding process. It is an ideal material for making high clarity containers, housewares, syringes and ISBM products. The grade contains clarifier and antistatic agent that reduces static charge build up on products.

FOOD CONTACT APPLICATIONS: This grade meets with the requirements of Indian Standard IS: 10910 on "Specifications for Polypropylene and its copolymers for its safe use in contact with foodstuffs, pharmaceuticals and drinking water". Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS 10909. The grade and the additives also comply with FDA:CFR:Title 21,177.1520, olefin polymers.

General Information	
Additive	Antistatic Clarifier
Features	Antistatic Food Contact Acceptable High Clarity Random Copolymer
Agency Ratings	FDA 21 CFR 177.1520
Appearance	Natural Color
Forms	Pellets
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 ¹ (Yield, 3.20 mm, Injection Molded)	30.0	MPa	ASTM D638
Tensile Elongation ² (Yield, 3.20 mm, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Annealed)	95.0	°C	ASTM D648
Melting Temperature	150	°C	DSC
Injection	Nominal Value	Unit	Test Method
Rear Temperature	190 to 240	°C	

Middle Temperature	190 to 240	°C
Front Temperature	190 to 240	°C
Nozzle Temperature	240 to 250	°C
Mold Temperature	40.0 to 60.0	°C
Injection Pressure	58.8 to 98.1	MPa

NOTE

1. Type I
2. Type I

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