

Koylene SR20NC

Polypropylene Random Copolymer

Reliance Industries Limited

Message:

Koylene SR20NC is Polypropylene Random copolymer suitable for Blow Moulding and Extrusion process. It is an ideal material for making clear bottles, containers, ball pen refills, sheets, stationery items and thermoformed products. The grade contains clarifier.

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	Clarifier
Features	Food Contact Acceptable
	High Clarity
	Random Copolymer
Uses	Bottles
	Containers
	Sheet
	Stationary Supplies
	Writing Instruments
Agency Ratings	FDA 21 CFR 177.1520
Appearance	Natural Color
Forms	Pellets
Processing Method	Blow Molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
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 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	900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ASTM D1525

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	160 to 210	°C
Cylinder Zone 2 Temp.	160 to 210	°C
Cylinder Zone 3 Temp.	160 to 210	°C
Cylinder Zone 4 Temp.	160 to 210	°C
Cylinder Zone 5 Temp.	160 to 210	°C
Die Temperature	190 to 210	°C

NOTE

1. Type I
2. Type I

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