

Koylene SR20NS

Polypropylene Random Copolymer

Reliance Industries Limited

Message:

Koylene SR20NS is Polypropylene Random copolymer suitable for Blow Moulding and Extrusion process. The grade combines high clarity and gloss. 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. The grade 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		
	Random Copolymer		
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/cm³	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)	26.0	MPa	ASTM D638
Tensile Elongation ² (Yield, 3.20 mm, Injection Molded)	12	%	ASTM D638
Flexural Modulus	800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	65	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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