

Koylene ADL AS160NS

Polypropylene Homopolymer

Reliance Industries Limited

Message:

Koylene ADL is the brand name of polypropylene Homopolymer spheribeads with external additivation manufactured and marketed by IPCL from its facility at Baroda complex through Spheripol / Addipol technology adopting the process know-how of M/s. Basell, The Netherlands.

Koylene ADL AS160NS is a homopolymer grade especially formulated to produce extrusion products and speciality compounds. As compared to the regular grade Koylene AS160N, this grade is richer in additive contents for high temperature processing and possesses excellent thermo-oxidative stability. Extra addition of antioxidants for preparation of compounds may not be needed when this grade is used. Narrow particle size distribution and somewhat higher bulk density than AS160N can offer advantages of throughput. Its unique powder like morphology coupled with relatively easy processing on extrusion and downstream equipment makes it a grade of choice.

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".

General Information	
Features	Food Contact Acceptable
	Good Thermal Stability
	High Isotactic
	Homopolymer
Uses	Filaments
	Masterbatch
	Staple Fibers
Appearance	Natural Color
Forms	Spheres
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	36.0	MPa	ASTM D638
Tensile Elongation ² (Yield, 3.20 mm, Injection Molded)	10	%	ASTM D638
Flexural Modulus ³ (3.20 mm, Injection Molded)	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm, Injection Molded)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	150	°C	ASTM D1525
NOTE			
1.	Type I		
2.	Type I		
3.	Type I		

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