Koylene ADL AS160N

Polypropylene Homopolymer

Reliance Industries Limited

Message:

Koylene ADL AS160N is a high melt flow homopolymer especially formulated to produce multifilaments and staple fibre through the process of melt spinning. However, it is recommended to establish its suitability as the line speeds can vary considerably for different spinning lines. Suitability of specific spin finish should also be established as it sometimes reacts with stabilisers present in the polymer.
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". The grade also complies with FDA regulation : CFR TITLE 21 - 177.1520, on olefin polymers.

General Information			
Features	Homopolymer High liquidity Compliance of Food Exposure		
Uses	staple fiber Filament		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Natural color		
Forms	Sphere		
Processing Method	Fiber (spinning) extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.905	g/cm³	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)	37.0	MPa	ASTM D638
Tensile Elongation [2] (Yield, 3.20 mm, Injection Molded)	11	%	ASTM D638
Flexural Modulus [3] (3.20 mm, Injection Molded)	1500	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm, Injection Molded)	25	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	152	°C	ASTM D1525
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	220 - 280	°C	
Extrusion instructions			
Draw Temperature: 130° to 160°CHeat Setting Temperature: 120° to 150°CDraw Ratio: up-to 6 : 1Line Speed: variable			

NOTE	
1.	Type 1
2.	Type 1
3.	Type 1

Recommended distributors for this material

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