PETLIN LD C150Y

Low Density Polyethylene

PETLIN (MALAYSIA) SDN BHD

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Product Description

PETLIN LD C150Y is a low density polyethylene resin for general purpose and film applications. It is produced by the state-of-the-art DSM Stamicarbon tubular process. It contains antioxidant (BHT free), slip and antiblock additives. It is intended primarily for blown film process.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Additive	• Antioxidant	• High Antiblock	• High Slip
Features	• Antioxidant • Food Contact Acceptable • Good Drawdown	• Heat Sealable • High Antiblocking • High Clarity	• High Gloss • High Slip • Low Gel
Uses	• Bags • Film	• Foam • Laundry Bags	
Agency Ratings	• FDA 21 CFR 177.1520		
Forms	• Pellets		
Processing Method	• Blown Film	• Film Extrusion	

Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction	0.10		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
Film Thickness - Recommended / Available	150 to 60	µm	
Tensile Modulus			ISO 527-3
MD: 25 µm	202	MPa	
TD: 25 µm	224	MPa	
Tensile Stress			ISO 527-3
MD: Break, 25 µm	26.0	MPa	
TD: Break, 25 µm	15.0	MPa	
Tensile Elongation			ISO 527-3
MD: Break, 25 µm	150	%	
TD: Break, 25 µm	610	%	
Dart Drop Impact (25 µm)	86	g	ASTM D1709
Elmendorf Tear Strength			ISO 6383-2
MD: 25 µm	80000	N	
TD: 25 µm	30000	N	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 25.0 µm)	66		ASTM D2457
Haze (25.0 µm)	6.5	%	ASTM D1003

Extrusion	Nominal Value	Unit
Melt Temperature	145 to 165	°C

Notes

[1] Typical properties: these are not to be construed as specifications.

Revision History
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