



PETLIN LD C150Y

Low Density Polyethylene

Product Description	Key Features	Application
ETILINAS PETLIN LDPE C150Y is a low density polyethylene resin for general purpose and thin 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. This product meets the United State Food and Drug Administration (US FDA) criteria for food contact use as specified in CFR 177.1520 (c) 3.1a & 3.2a and Commission Regulation (EU) No. 10/2011.	<ul style="list-style-type: none"> • Low gels • High clarity and gloss • High drawdown • Good sealability • High slip • High antiblocking 	Thin gauge film for: textile, laundry, dry cleaning, garment; crosslinked foams; zip bags.

General	
Recommended Gauges	• 15 - 60 microns
Typical Data	• 25 microns film

Physical	Typical Value	Units	Test Based On
Melt Flow Rate (190°C/2.16 kg)	5	g/10 min	ASTM D 1238;B
Nominal Density	921	g/cm ³	ASTM D 792
Melting Temperature	111	°C	ASTM D 3417
Vicat Softening Temperature (Load: 1 kg; Heating rate: 50°C/hr)	94	°C	ASTM D 1525

Mechanical	Typical Value	Units	Test Based On
Tensile Strength at Break, (MD/TD)	15/26	MPa	ASTM D 882
Elongation at Break, (MD/TD)	610/149	%	ASTM D 882
Elmendorf Tear Strength, (MD/TD)	30/80	g/25 μm	ASTM D 1922
Dart Impact Strength	86	g	ASTM D 1709-15a

Other	Typical Value	Units	Test Based On
Clarity	85	%	ASTM D 1746
Gloss (45°)	66	GU	ASTM D 2457
Haze	6.5	%	ASTM D 1003
Typical Processing Conditions	0.1	-	ASTM D 1894

Notes
 The physical properties shown are typical values obtained by averaging a number of test results and small divergence from quoted figures may occur.

For additional technical, sales and order assistance please contact our sales representative

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