

PETLIN (MALAYSIA) SON BHO(478535-T)



PRODUCT DATA SHEET (PRELIMINARY)

PETLIN LD C150Y

Low Density Polyethylene

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

Characteristics: low gels, high drawdown, high clarity, high gloss, good sealability, high slip, high antiblocking.

Applications: thin gauge films for textile, laundry, dry cleaning, garment; crosslinked foams; zip bags.

Recommended gauges: 15 - 60 microns.

Extrusion conditions: for blown film: melt temperature 145-165 °C and blow-up-ratio of 2 to 3 : 1 are recommendable.

Typical Data: (25 micron blown film)

<i>Properties</i>	<i>Units</i>	<i>Typical value</i>	<i>Test methods</i>	
<i>Polymer properties:</i>				
Melt Flow Rate:	dg/min	5	ISO 1133	
Density	kg/m ³	921	ISO 1183 (A)	
<i>Optical properties:</i>				
Gloss (45°)	%	62	ASTM 02457	
Haze	⊘	7.2	ASTM 01003A	
<i>Mechanical properties:</i>				
Impact strength		kJ/m	15	ASTM 04272
Tear strength	TO	kN/m	30	ISO 6383-2
	MO	kN/m	80	
Tensile stress at break	TO	MPa	15	ISO R527-1
	MO	MPa	27	
Strain at break	TO	%	>450	ISO R527-1
	MO	%	100	
Modulus of elasticity	TO	MPa	190	ISO R527-1
	MO	MPa	190	
Coefficient of friction			0.2	Petlin method

The properties shown above are typical values and are not to be taken as specifications.

IMPORTANT NOTICE

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PRODUCT DATA SHEET (PRELIMINARY)

PETLIN LD N125Y

Low Density Polyethylene

PETLIN LD N 125Y is a low density polyethylene resin for general purpose film applications. It is produced by the state-of-the-art DSM Stamicarbon tubular process. It contains slip, antioxidant (BHT free) and antiblock additives. It is intended primarily for blown film process.

Characteristics: low gels, good sealability, high slip, high antiblocking.

Applications: films for textile; carrier bags; agriculture films; industrial liners; bubble films; zip bags; foam sheets; crosslinked foams.

Recommended gauges: 20 to 100 microns.

Extrusion conditions: for blown film: melt temperature 150-170 °C and blow-up-ratio of 2 to 3 : 1 are recommendable.

Typical Data: (25 micron blown film)

Properties	Units	Typical value	Test methods	
Polymer properties:				
Melt Flow Rate:	dg/min	2.5	ISO 1133	
Density	kg/m ³	921	ISO 1183 (A)	
Optical properties:				
Gloss (45°)	%0	59	ASTM D2457	
Haze	⊘	8.3	ASTM D1003A	
Mechanical properties:				
Impact strength	kJ/m	23	ASTM D4272	
Tear strength	TD	kN/m	25	ISO 6383-2
	MD	kN/m	70	
Tensile stress at break	TD	MPa	19	ISO R527-1
	MD	MPa	30	
Strain at break	TD	⊘	>500	ISO R527-1
	MD	⊘	100	
Modulus of elasticity	TD	MPa	190	ISO R527-1
	MD	MPa	180	
Coefficient of friction		0.2	Petlin method	

The properties shown above are typical values and are not to be taken as specifications.

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