



## PRODUCT DATA SHEET

**PETLIN LD C150Y****Low Density Polyethylene**

PETLIN LD 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.

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

**Applications** : Thin gauge film (textile, laundry, dry cleaning, garment), foams, zip bags.

**Recommended gauges** : 15 - 60 microns.

**Extrusion Conditions** : For blown film: Melt temperature 145-165°C, recommended blow-up-ratio of 2 to 3 : 1.

**Typical Data** : 25 microns film.

Properties	Units	Typical values	Test methods
<u>Polymer properties :</u>			
Melt Flow Rate:	dg/min	5	ISO 1133
Density	kg/m <sup>3</sup>	921	ISO 1183 (A)
<u>Optical properties :</u>			
Gloss (45°)	%	66	ASTM D2457
Haze	%	6.5	ASTM D1003A
<u>Mechanical properties :</u>			
Impact strength	g	86	ASTM D1709
Tear strength	TD	kN/m	ISO 6383-2
	MD	kN/m	
Tensile stress at break	TD	N/mm <sup>2</sup>	ISO 527-3
	MD	N/mm <sup>2</sup>	
Strain at break	TD	%	ISO 527-3
	MD	%	
Modulus of elasticity	TD	N/mm <sup>2</sup>	ISO 527-3
	MD	N/mm <sup>2</sup>	
Coefficient of friction	-	0.1	ASTM D1894

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

**Food contact approval status :**

This material complies with FDA 21 CFR 177.1520 when used unmodified and according to good manufacturing practices for food contact applications. Accordingly, this material may be used in all food contact applications.

**IMPORTANT NOTICE :**

Information contained in this document is accurate and reliable to the knowledge and belief of Petlin (Malaysia) Sdn Bhd. The suggestions and recommendations are offered herein as a guide in the use of Petlin products, and cannot be guaranteed because the conditions of use are beyond Petlin's control. Petlin assumes no responsibility for the use of information supplied, the application, adaptation or processing of its products described herein and hereby disclaims all liability in regard to such use.