## **PETLIN LD C150Y**

Low Density Polyethylene

## PETLIN (MALAÝSIA) SDN BHD

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## **Technical Data**

Product Description				
PETLIN LD C150Y is a low der Stamicarbon tubular process. It	nsity polyethylene resin for general purpos t contains antioxidant (BHT free), slip and	e and film applications. It is pro antiblock additives. It is intend	oduced by the state-of-the-art DSM ed primarily for blown film process.	
General				
Material Status	Commercial: Active			
Literature <sup>1</sup>	<ul> <li>Technical Datasheet (English</li> </ul>	Technical Datasheet (English)		
Availability	<ul> <li>Asia Pacific</li> </ul>			
Additive	<ul> <li>Antioxidant</li> </ul>	High Antiblock	High Slip	
Features	<ul><li>Antioxidant</li><li>Food Contact Acceptable</li><li>Good Drawdown</li></ul>	<ul><li>Heat Sealable</li><li>High Antiblocking</li><li>High Clarity</li></ul>	<ul><li> High Gloss</li><li> High Slip</li><li> Low Gel</li></ul>	
Uses	• Bags • Film	<ul><li>Foam</li><li>Laundry Bags</li></ul>		
Agency Ratings	<ul> <li>FDA 21 CFR 177.1520</li> </ul>			
Forms	Pellets			
Processing Method	Blown Film	Film Extrusion		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.921 g/cm <sup>3</sup>	0.921 g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0 g/10 min	5.0 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Coefficient of Friction	0.10	0.10	ASTM D1894
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	0.98 mil	25 µm	
Film Thickness - Recommended / Available	150 to 60 µm	150 to 60 µm	
Tensile Modulus			ISO 527-3
MD : 0.98 mil (25 µm)	29300 psi	20 <mark>2 MPa</mark>	
TD : 0.98 mil (25 μm)	32500 psi	224 MPa	
Tensile Stress			ISO 527-3
MD : Break, 0.98 mil (25 μm)	3770 psi	26.0 MPa	
TD : Break, 0.98 mil (25 μm)	2180 psi	15.0 MPa	
Tensile Elongation			ISO 527-3
MD : Break, 0.98 mil (25 μm)	150 %	150 %	
TD : Break, 0.98 mil (25 μm)	610 %	610 %	
Dart Drop Impact (0.98 mil (25 µm))	86 g	86 g	ASTM D1709
Elmendorf Tear Strength			ISO 6383-2
MD : 0.98 mil (25 µm)	18000 lbf	80000 N	
TD : 0.98 mil (25 μm)	6700 lbf	30000 N	
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 0.984 mil (25.0 μm))	66	66	ASTM D2457
Haze (0.984 mil (25.0 µm))	6.5 %	6.5 %	ASTM D1003
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	293 to 329 °F	145 to 165 °C	

## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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