

PETLIN LD C225Y

Low Density Polyethylene

PETLIN (MALAYSIA) SDN BHD

Message:

PETLIN LD C225Y is a low density polyethylene resin for high clarity general purpose 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 Information			
Additive	Antioxidant		
	High Antiblock		
	Medium Slip		
Features	Antioxidant		
	Food Contact Acceptable		
	Heat Sealable		
	High Antiblocking		
	High Clarity		
	High Gloss		
	Low Gel		
	Medium Slip		
Uses	Bags		
	Film		
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/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	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	20 to 100 µm		
Tensile Modulus			ISO 527-3
MD : 25 µm	215	MPa	
TD : 25 µm	232	MPa	

Tensile Stress			ISO 527-3
MD : Break, 25 μm	29.5	MPa	
TD : Break, 25 μm	16.5	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 25 μm	120	%	
TD : Break, 25 μm	620	%	
Dart Drop Impact (25 μm)	83	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)	63		ASTM D2457
Haze (25.0 μm)	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 170	°C	

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