

# TITANLENE® LDC 801YY

Low Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

LDC801YY is a low density polyethylene resin for extrusion coating and is a barefoot grade. LDC801YY meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 2.1 & (c) 2.2.

APPLICATIONS:

Coating for all substrates.

Characteristics:

Excellent drawdown, good heat seability and adhesion properties.

General Information			
Features	Good Adhesion		
	Good Drawdown		
	Good Heat Seal		
	Low Density		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
	FDA 21 CFR 177.1520(c) 2.2		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Oxygen Permeability	230000	cm <sup>3</sup> · mm/m <sup>2</sup> /atm/24 hr	ASTM D3985
Water Vapor Transmission Rate (25 µm, 38°C, 90% RH)	19	g · mm/m <sup>2</sup> /atm/24 hr	ASTM F372
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	270 to 340	°C	
Neck-in <sup>1</sup> (295°C)	90.0	mm	
NOTE			
1.	constant output 50 m/min		

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