

TITANLENE® LDF 250YZ

Low Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

LDF250YZ is a low density polyethylene resin for film extrusion. LDF250YZ has no slip and anti-block additives. LDF250YZ 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:

Medium duty shrink film, Shopper bags, Form fill and seal packaging.

Characteristics:

Excellent mechanical properties and stiffness.

General Information			
Features	Good Stiffness		
	Low Density		
Uses	Bags		
	Film		
	Packaging		
	Shrink Wrap		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
	FDA 21 CFR 177.1520(c) 2.2		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 50 µm, Blown Film	216	MPa	
1% Secant, TD : 50 µm, Blown Film	235	MPa	ASTM D882
Tensile Strength			
MD : Break, 50 µm,Blown Film	27.5	MPa	
TD : Break, 50 µm,Blown Film	24.5	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm,Blown Film	370	%	
TD : Break, 50 µm,Blown Film	560	%	
Dart Drop Impact (50 µm, Blown Film)	200	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm, Blown Film	350	g	

TD : 50 μm, Blown Film	200	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 190	°C	

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