

TITANLENE® LDF 265YZ

Low Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

LDF265YZ is a low density polyethylene resin for film extrusion. LDF265YZ has no slip and anti-block additives. LDF265YZ 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:

Heavy duty sacks, Shrink film, Construction film.

Characteristics:

Excellent mechanical properties and good processability.

General Information			
Features	Good Processability		
	Low Density		
Uses	Construction Applications		
	Film		
	Heavy-duty Bags		
	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)	0.33	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	150	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 150 µm, Blown Film	1270	MPa	
1% Secant, TD : 150 µm, Blown Film	1180	MPa	ASTM D882
Tensile Strength			
MD : Break, 150 µm,Blown Film	78.5	MPa	
TD : Break, 150 µm,Blown Film	53.9	MPa	
Tensile Elongation			ASTM D882
MD : Break, 150 µm,Blown Film	250	%	
TD : Break, 150 µm,Blown Film	660	%	
Dart Drop Impact (150 µm, Blown Film)	1700	g	ASTM D1709
Trouser Tear			ASTM D1938
MD	2.9	kN/m	

TD	29.4	kN/m	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 190	°C	

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