

TITANLENE® LDF 260YZ

Low Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

LDF260YZ is a low density polyethylene resin for film extrusion. LDF260YZ has no slip and anti-block additives. LDF260YZ 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:

Laundry film, Textile packaging, Produce film, Diaper backing

Characteristics:

Good drawdown and excellent processability.

General Information			
Features	Good Drawdown		
	Good Processability		
	Low Density		
Uses	Film		
	Packaging		
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)	5.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 30 µm, Blown Film	186	MPa	
1% Secant, TD : 30 µm, Blown Film	206	MPa	ASTM D882
Tensile Strength			
MD : Break, 30 µm,Blown Film	19.6	MPa	
TD : Break, 30 µm,Blown Film	17.7	MPa	ASTM D882
Tensile Elongation			
MD : Break, 30 µm,Blown Film	250	%	
TD : Break, 30 µm,Blown Film	440	%	ASTM D1709
Dart Drop Impact (30 µm, Blown Film)	75	g	
Elmendorf Tear Strength			
MD : 30 µm, Blown Film	290	g	ASTM D1922
TD : 30 µm, Blown Film	120	g	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	93.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Haze (30.0 μm, Blown Film)	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 180	°C	

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