

TITANLENE® LDF 260GG

Low Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

LDF260GG is a low density polyethylene resin for film extrusion. LDF260GG has medium slip and anti-block additives. LDF260GG 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			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Good Drawdown		
	Good Processability		
	Low Density		
	Medium Slip		
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	
Tensile Elongation			ASTM D882
MD : Break, 30 µm,Blown Film	250	%	

TD : Break, 30 µm,Blown Film	440	%	
Dart Drop Impact (30 µm, Blown Film)	75	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 30 µm, Blown Film	290	g	
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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