Low Density Polyethylene Lotte Chemical Titan (M) Sdn. Bhd.

# **Technical Data**

# Product Description

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 drawdow

Good drawdown and excellent processability.

General						
	Material Status	Commercial: Active				
	Literature <sup>1</sup>	Technical Datasheet (English)				
	Search for UL Yellow Card	Lotte Chemical Titan (M) Sdn. Bhd.				
	Availability	<ul> <li>Asia Pacific</li> </ul>				
	Additive	Antiblock	• Slip			
	Features	<ul><li>Antiblocking</li><li>Good Drawdown</li></ul>	<ul><li>Good Processability</li><li>Low Density</li></ul>	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 (English)	Nominal Value (SI)	Test Method
Density	0.922 g/cm <sup>3</sup>	0.922 g/cm <sup>3</sup>	ASTM D1505
Melt <mark>Mass-Fl</mark> ow Rat <mark>e (MFR</mark> ) (190°C/2.16 kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	1.2 mil	30 µm	
Secant Modulus			ASTM D882
1% <mark>Secant, MD : 1.2</mark> mil (30 μm), Blown Film	27000 psi	186 MPa	
1% <mark>Secant</mark> , TD : 1.2 mil (30 μm), Blown Film	29900 psi	206 MPa	
Tensile Strength			ASTM D882
MD : Break, 1.2 mil (30 µm), Blown Film	2840 psi	19.6 MPa	
TD : Break, 1.2 mil (30 µm), Blown Film	2560 psi	17.7 MPa	
Tensile Elongation			ASTM D882
MD : Break, 1.2 mil (30 µm), Blown Film	250 %	250 %	
TD : Break, 1.2 mil (30 µm), Blown Film	440 %	440 %	
Dart Drop Impact			ASTM D1709
1.2 mil (30 µm), Blown Film	75 g	75 g	
Elmendorf Tear Strength			ASTM D1922
MD : 1.2 mil (30 µm), Blown Film	290 g	290 g	
TD : 1.2 mil (30 µm), Blown Film	120 g	120 g	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	199 °F	93.0 °C	ASTM D1525
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Haze (1.18 mil (30.0 µm), Blown Film)	7.0 %	7.0 %	ASTM D1003
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	320 to 356 °F	160 to 180 °C	

1 of 2

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# **TITANLENE® LDF 260GG**

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## Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



2 of 2

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