

# TITANLENE® LDF 260GG

Low Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

PROSPECTOR®

www.ulprospector.com

## 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 drawdown and excellent processability.

### General

Material Status	• Commercial: Active		
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>		
Search for UL Yellow Card	• <a href="#">Lotte Chemical Titan (M) Sdn. Bhd.</a>		
Availability	• Asia Pacific		
Additive	• Antiblock	• Slip	
Features	• Antiblocking	• Good Processability	• Medium Slip
	• Good Drawdown	• 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 <sup>3</sup>	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	
Secant Modulus		ASTM D882
1% Secant, MD : 30 µm, Blown Film	186 MPa	
1% Secant, TD : 30 µm, Blown Film	206 MPa	
Tensile Strength		ASTM D882
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

### 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.

