TITANLENE® LDF 260GG

Low Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

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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 [1]	• Technical Datasheet (English)		
Search for UL Yellow Card	• Lotte Chemical Titan (M) Sdn. Bhd.		
Availability	• Asia Pacific		
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 (English)	Nominal Value (SI)	Test Method
Density	0.922 g/cm³	0.922 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (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% Secant, MD : 1.2 mil (30 µm), Blown Film	27000 psi	186 MPa	
1% Secant, 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

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Notes

[1] 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.

[2] Typical properties: these are not to be construed as specifications.

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