

TITANLENE® LDF 800GG

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

Message:

TITANLENE® LDF 800GG is a Low Density Polyethylene material. It is available in Asia Pacific for film extrusion or foam processing.
Important attributes of TITANLENE® LDF 800GG are:

- Antiblock
- Heat Stabilizer
- Slip
- Typical applications include:
- Bags/Liners
- Agricultural
- Film
- Foam
- Industrial Applications

General Information	
Additive	Antiblock (1000 ppm) Heat Stabilizer Slip (750 ppm)
Features	Antiblocking Foamable Heat Stabilized Medium Slip
Uses	Agricultural Applications Bags Film Foam Industrial Applications Liners
Forms	Pellets
Processing Method	Film Extrusion Foam Processing

Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	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	147	MPa	
1% Secant, TD : 30 µm, Blown Film	196	MPa	
Tensile Strength			ASTM D882
MD : Break, 30 µm, Blown Film	25.5	MPa	
TD : Break, 30 µm, Blown Film	21.6	MPa	
Tensile Elongation			ASTM D882
MD : Break, 30 µm, Blown Film	300	%	
TD : Break, 30 µm, Blown Film	700	%	
Dart Drop Impact (30 µm, Blown Film)	60	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 30 µm, Blown Film	180	g	
TD : 30 µm, Blown Film	120	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 30.0 µm, Blown Film)	10		ASTM D2457
Haze (30.0 µm, Blown Film)	9.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 180	°C	

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Recommended distributors for this material

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