

Lotte Chemical Titan TITANLENE® LDF200GG Low density polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Extrusion Grade

Material Notes:

LDF200GG is a low density polyethylene resin for film extrusion. LDF200GG has medium slip and anti-block additives. LDF200GG 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:

Produce bags T-shirt carrier bags Display packaging Light duty shrink film Additives: Medium slip Antiblock Advantages: Good optical Good mechanical properties Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANLENE-LDF200GG-Low-density-polyethylene.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.922 g/cc	0.0333 lb/in ³	ASTM D1505
Thickness	30.0 microns	1.18 mil	extruded at 2.5:1 BUR
Base Resin Melt Index	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	310 %	310 %	ASTM D882
Film Elongation at Break, TD	580 %	580 %	ASTM D882
Elmendorf Tear Strength, MD	6.00 g/micron	152 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.00 g/micron	102 g/mil	ASTM D1922
Dart Drop	2.00 g/micron	50.8 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	26.5 MPa	3840 psi	ASTM D882
Film Tensile Strength at Break, TD	21.6 MPa	3130 psi	ASTM D882
1% Secant Modulus, MD	205.94 MPa	29869 psi	ASTM D882
1% Secant Modulus, TD	225.56 MPa	32714 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 Â°C	203 Â°F	resin; ASTM D1525

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	160 - 180 A°C Metric	320 - 356 A°F English	Comments
Blow-up Ratio (BUR)	2.5	2.5	

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