

Lotte Chemical Titan TITANLENE® LDF264YZ Low density polyethylene

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

Material Notes:

LDF264YZ is a low density polyethylene resin for film extrusion. LDF264YZ has no slip and anti-block additives. LDF264YZ 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: Low haze and heavy duty film Shrink film Construction film Additives: Barefoot Advantages: Excellent mechanical properties Good process ability Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANLENE-LDF264YZ-Low-density-polyethylene.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.922 g/cc	0.0333 lb/in ³	ASTM D1505
Thickness	150 microns	5.91 mil	extruded at 1.5:1 BUR
Base Resin Melt Index	0.40 g/10 min	0.40 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	490 %	490 %	ASTM D882
Film Elongation at Break, TD	620 %	620 %	ASTM D882
Dart Drop	3.00 g/micron	76.2 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	21.6 MPa	3130 psi	ASTM D882
Film Tensile Strength at Break, TD	19.6 MPa	2840 psi	ASTM D882
1% Secant Modulus, MD	176.52 MPa	25602 psi	ASTM D882
1% Secant Modulus, TD	196.14 MPa	28447 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	97.0 Â°C	207 Â°F	resin; ASTM D1525

Optical Properties	Metric	English	Comments
Haze	17 %	17 %	ASTM D1003
Gloss	60 %	60 %	45Â°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 190 Â°C	320 - 374 Â°F	

Blowing Ratio (BUR) Processing Properties	1.5 Metric	1.5 English	Comments
Descriptive Properties	Value		Comments
Trouser tear, MD g/micron	9		ASTM D1938
Trouser tear, TD g/micron	8.5		ASTM D1938

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