

Lotte Chemical Titan TITANEX[®] HF1881 High density polyethylene Hexene-1 resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

Material Notes:

HF1881 is a pelleted medium molecular weight, high density polyethylene Hexene-1 resin for tubular film extrusion. Applications: Grocery sacks, shopping bags, liners and thin films. Advantages: Specially designed for high extrusion rate at lower temperature, good film strength and rigidity, excellent drawdown for high quality thin film, when better strength is needed mixing with HF0961 will provide a balance between strength and extrudability. Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANEX-HF1881-High-density-polyethylene-Hexene-1-resin.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.948 g/cc	0.0342 lb/in ³	ASTM D1505
Thickness	17.0 microns	0.669 mil	extruded at 4:1 BUR
Base Resin Melt Index	0.20 g/10 min	0.20 g/10 min	ASTM D1238
	18 g/10 min	18 g/10 min	I ₂₁ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	350 %	350 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Elmendorf Tear Strength, MD	0.300 g/micron	7.62 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.00 g/micron	102 g/mil	ASTM D1922
Dart Drop	8.00 g/micron	203 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	53.9 MPa	7820 psi	ASTM D882
Film Tensile Strength at Break, TD	39.2 MPa	5690 psi	ASTM D882
1% Secant Modulus, MD	917 MPa	133000 psi	ASTM D882
1% Secant Modulus, TD	931 MPa	135000 psi	ASTM D882

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 Â°C	356 - 428 Â°F	
Blow-up Ratio (BUR)	4.0	4.0	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China