

TITANEX® HF0961

High Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

HF0961 is a pelleted high molecular weight, high density polyethylene Hexene-1 resin for tubular film extrusion. HF0961 meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 3.1a & 3.2a.

APPLICATIONS:

Grocery sacks, shopping bags, liners notion and millinery bags.

Characteristics:

High extrusion rate with high film strength and rigidity, excellent draw down for high quality thin film.

General Information			
Features	Good Drawdown		
	Hexene Comonomer		
	High Density		
	High Molecular Weight		
	High Rigidity		
	High Strength		
Uses	Bags		
	Film		
	Liners		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.10	g/10 min	
190°C/21.6 kg	11	g/10 min	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	17	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 17 µm, Blown Film	1180	MPa	
1% Secant, TD : 17 µm, Blown Film	1270	MPa	
Tensile Strength			ASTM D882
MD : Break, 17 µm,Blown Film	58.8	MPa	
TD : Break, 17 µm,Blown Film	44.1	MPa	
Tensile Elongation			ASTM D882
MD : Break, 17 µm,Blown Film	250	%	

TD : Break, 17 µm,Blown Film	700	%	
Dart Drop Impact (17 µm, Blown Film)	140	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 17 µm, Blown Film	0.40	g	
TD : 17 µm, Blown Film	3.0	g	
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 240	°C	

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