TITANZEX® HF7000

High Density Polyethylene

Lotte Chemical Titan (M) Sdn. Bhd.

Message:

HF7000 is a high density polyethylene resin for tubular film extrusion. HF7000 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:
Very thin reinforcing film, Grocery bags, Merchandize bags, Disposal waste bags, Shopping bags.
Characteristics:
Excellent processability, excellent draw down capability and high film strength and rigidity.

General Information			
Features	Good Drawdown		
	Good Processability		
	High Density		
	High Rigidity		
	High Strength		
Uses	Bags		
	Film		
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	0.953	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.050	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	17	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 17 µm, Blown Film	1270	MPa	
1% Secant, TD : 17 µm, Blown Film	1180	MPa	
Tensile Strength			ASTM D882
MD : Break, 17 µm,Blown Film	78.5	MPa	
TD : Break, 17 µm,Blown Film	53.9	MPa	
Tensile Elongation			ASTM D882
MD : Break, 17 µm,Blown Film	250	%	
TD : Break, 17 µm,Blown Film	660	%	
Dart Drop Impact (17 µm, Blown Film)	190	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922

MD : 17 µm, Blown Film	5.1	g
TD : 17 µm, Blown Film	51	g

Extrusion	Nominal Value	Unit
Melt Temperature	180 to 240	°C

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Recommended distributors for this material

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