



Product Data

TITANEX HF0961 FOR HDPE FILM

CHARACTER 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.

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

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>HF0961</u> ^(a)	<u>ASTM METHOD</u> ^(b)
Melt index, I ₂	g/10 min.	0.1	D 1238
Melt index, I ₂₁	g/10 min.	11	D 1238
Density	g/cm ³	0.949	D 1505

TYPICAL FILM PROPERTIES ^(c)

Tensile Strength at Break MD/TD	kg/cm ²	600/450	D 882
Ultimate Elongation MD/TD	%	250/700	D 882
1% Secant Modulus MD/TD	kg/cm ²	12000/13000	D 882
Elmendorf Tear MD/TD	g/μm	0.4/3	D 1922
Dart Impact Strength	g/μm	8	D 1709

(a) Values shown are typical and are not to be considered as specifications.

(b) ASTM test methods are latest under the Society's current procedures.

(c) Film properties are typical blown film of 17 microns extruded at 4:1 BUR.

Processing conditions

Melt temperature	: 180 - 240°C
BUR	: 4:1
Frost line height	: 7 - 12 times die diameter

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LOTTE CHEMICAL TITAN (M) SDN. BHD. (Registration no. 198601005832 (154990-W))
 Plant Location : PLO 312, Jalan Tembaga 4, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor Bahru, Malaysia.
 T: +607. 253 8888 W: WWW.LOTTECHEM.MY

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