

# 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> <sup>(a)</sup>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt index, I <sub>2</sub>	g/10 min.	<b>0.1</b>	D 1238
Melt index, I <sub>21</sub>	g/10 min.	<b>11</b>	D 1238
Density	g/cm <sup>3</sup>	<b>0.949</b>	D 1505

### TYPICAL FILM PROPERTIES <sup>(c)</sup>

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

LOTTE CHEMICAL TITAN (M) SDN. BHD.

Titanex® • Titanlene® • Titanzex® • Titanpro® • Titanvene®

塑料专家 [www.ponci.com.cn/wxb/](http://www.ponci.com.cn/wxb/) +13538586433 +18816996168

