

## 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>TITANEX 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>0.950</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 F <sub>50</sub>	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

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product combination for their own purposes. Unless otherwise agreed in writing, we sell products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

R00