



TITAN PETCHEM (M) SDN. BHD.

(Co. No. 154990 W)
(Formerly known as Titan PP Polymers (M) Sdn. Bhd.)

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Product Data Sheet

TITANEX HF0961 For HDPE Film

- CHARACTER** HF0961 is a pelleted high molecular weight, high density polyethylene Hexene-1 resin for tubular film extrusion.
- 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>RESIN PROPERTIES</u>	<u>UNIT</u>	<u>TYPICAL VALUES</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	0.950	D 1505
<u>FILM PROPERTIES</u> ^(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 F ₅₀	g/μm	8	D 1709

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- (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.
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Processing conditions :

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

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