



**TITAN**  
CHEMICALS

## 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

### TITANZEX HB6200

HIGH DENSITY PE FOR BLOW MOLDING

MELT INDEX 0.45  
DENSITY 0.956

FEATURES	
<ul style="list-style-type: none"> <li>- Household and industrial chemical containers</li> <li>- Toiletries</li> <li>- Cosmetic containers</li> <li>- Pharmaceutical containers</li> </ul>	<ul style="list-style-type: none"> <li>- Excellent ESCR</li> <li>- Excellent mechanical strength</li> </ul>

RESIN PROPERTIES	UNIT	TYPICAL VALUE <sup>(a)</sup>	ASTM METHOD <sup>(b)</sup>
Melt Index	g/10 min	0.45	D 1238
Density	g/cm <sup>3</sup>	0.956	D 1505
Vicat Softening Point	°C	128	D 1525
MECHANICAL PROPERTIES			
Tensile strength at yield	kg/cm <sup>2</sup>	270	D 638
Tensile strength at break	kg/cm <sup>2</sup>	350	D 638
Elongation at break	%	> 500	D 638
Stiffness (Olsen)	kg/cm <sup>2</sup>	10000	D 747
Izod impact strength	kg-cm/cm	10	D 256
Shore hardness	D scale	64	D 2240
Stress cracking resistance (F <sub>50</sub> )	hr	> 600	D 1693

(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.

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D01



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### TITANZEX HF7000

HIGH DENSITY PE FOR EXTRUSION FILM

MELT INDEX 0.05  
DENSITY 0.953

FEATURES
<ul style="list-style-type: none"> <li>-Very thin reinforcing film</li> <li>-Grocery bags</li> <li>-Merchandize bags</li> <li>-Disposal waste bags</li> <li>-Shopping bags</li> </ul>
<ul style="list-style-type: none"> <li>-Excellent processability</li> <li>-Excellent draw down capability</li> <li>-High film strength and rigidity</li> </ul>

RESIN PROPERTIES	UNIT	TYPICAL VALUE <sup>(a)</sup>	ASTM METHOD <sup>(b)</sup>
Melt Index	g/10 min	0.05	D 1238
Density	g/cm <sup>3</sup>	0.953	D 1505
MECHANICAL PROPERTIES <sup>(c)</sup>			
Tensile strength at Break MD/TD	kg/cm <sup>2</sup>	800/550	D882
Ultimate elongation MD/TD	%	250/660	D882
1% Secant modulus MD/TD	kg/cm <sup>2</sup>	13000/12000	D882
Elmendorf tear strength MD/TD	g/μm	0.3/3	D1922
Dart drop impact	g/μm	11	D1709

(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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