

## Product Data

### TITANZEX HB6200 FOR HDPE BLOW MOLDING

<b>CHARACTER</b>	HB6200 is a high density polyethylene for blow molding. HB6200 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.
<b>APPLICATIONS</b>	Household and industrial chemical containers, Toiletries, Cosmetic containers, Pharmaceutical containers.
<b>ADVANTAGES</b>	Excellent ESCR & excellent mechanical strength.

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>TITANZEX HB6200</u> <sup>(a)</sup>	<u>ASTM METHOD</u> <sup>(b)</sup>
Melt index	g/10 min	<b>0.45</b>	D 1238
Density	g/cm <sup>3</sup>	<b>0.956</b>	D 1505
Vicat Softening Point	°C	<b>128</b>	D 1525

#### TYPICAL MECHANICAL PROPERTIES

Tensile strength at yield	kg/cm <sup>2</sup>	<b>270</b>	D 638
Tensile strength at break	kg/cm <sup>2</sup>	<b>350</b>	D 638
Elongation at break	%	<b>&gt; 500</b>	D 638
Stiffness (Olsen)	kg/cm <sup>2</sup>	<b>10000</b>	D 747
Izod impact strength	kg·cm/cm	<b>10</b>	D 256
Shore hardness	D scale	<b>64</b>	D 2240
Stress cracking resistance (F <sub>50</sub> )	hr	<b>&gt; 600</b>	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.

Shrinkage : 2 - 5% depending on the product wall thickness and molding parameters.

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