



Product Data

TITANZEX HI1100 FOR INJECTION MOLDING

CHARACTER	HI1100 is a high density polyethylene for injection molding. HI1100 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	Large sized heavy duty articles, Pallets, Crates, Industrial pails, Dustbins.
ADVANTAGES	Excellent stiffness.

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>HI1100 ^(a)</u>	<u>ASTM METHOD ^(b)</u>
Melt index	g/10 min	7	D 1238
Density	g/cm ³	0.961	D 1505
Vicat Softening Point	°C	126	D 1525

TYPICAL MECHANICAL PROPERTIES

Tensile strength at yield	kg/cm ²	320	D 638
Tensile strength at break	kg/cm ²	170	D 638
Elongation at break	%	30	D 638
Stiffness (Olsen)	kg/cm ²	10000	D 747
Izod impact strength	kg·cm/cm	5	D 256
Shore hardness	D scale	65	D 2240

(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.

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.

R02

LOTTE CHEMICAL TITAN (M) SDN. BHD. (Registration no. 198601005832 (154990-W))

Plant Location : PLO 312, Jalan Tembaga 4, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor Bahru, Malaysia.
T: +607. 253 8888 W: WWW.LOTTECHEM.MY

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