



Product Data

TITANZEX HI2200 FOR INJECTION MOLDING

CHARACTER	HI2200 is a high density polyethylene for injection molding. HI2200 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, Crates and containers, Industrial pails, Chicken cages, Dustbins.
ADVANTAGES	Excellent mechanical strength.

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>HI2200</u> ^(a)	<u>ASTM METHOD</u> ^(b)
Melt index	g/10 min	4.0	D 1238
Density	g/cm ³	0.957	D 1505
Vicat Softening Point	°C	124	D 1525

TYPICAL MECHANICAL PROPERTIES

Tensile strength at yield	kg/cm ²	330	D 638
Tensile strength at break	kg/cm ²	170	D 638
Elongation at break	%	> 300	D 638
Stiffness (Olsen)	kg/cm ²	10500	D 747
Izod impact strength	kg·cm/cm	6	D 256
Shore hardness	D scale	64	D 2240
Stress cracking resistance (F ₅₀)	hr	5	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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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

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