

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</u> ^(a)	<u>ASTM METHOD</u> ^(b)
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.

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