

Product Data

TITANZEX HI1600 FOR INJECTION MOLDING

CHARACTER HI1600 is a high density polyethylene for injection molding. HI1600 meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 2.1 & (c) 2.2

APPLICATIONS Blending for use of Housewares, Containers, Tubs and Bins.

ADVANTAGES Excellent moldability and mechanical strength.

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>TITANZEX HI1600</u> ^(a)	<u>ASTM METHOD</u> ^(b)
Melt index	g/10 min	20	D 1238
Density	g/cm ³	0.957	D 1505
Vicat Softening Point	°C	122	D 1525

TYPICAL MECHANICAL PROPERTIES

Tensile strength at yield	kg/cm ²	280	D 638
Elongation at break	%	40	D 638
Stiffness (Olsen)	kg/cm ²	10000	D 747
Izod impact strength	kg-cm/cm	2	D 256
Shore hardness	D scale	65	D 2240
Stress cracking resistance (F50)	hr	2	D1693

(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.

R00