

Product Data

TITANZEX HB6200 FOR HDPE BLOW MOLDING

CHARACTER 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.

APPLICATIONS Household and industrial chemical containers, Toiletries, Cosmetic containers, Pharmaceutical containers.

ADVANTAGES Excellent ESCR & excellent mechanical strength.

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

TYPICAL MECHANICAL PROPERTIES

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