

Lotte Chemical Titan TITANZEX[®] HB6200 High density polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

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 Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANZEX-HB6200-High-density-polyethylene.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.956 g/cc	0.0345 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 600 hour	>= 600 hour	F ₅₀ ; ASTM D1693
Base Resin Melt Index	0.45 g/10 min	0.45 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength at Break	34.3 MPa	4970 psi	ASTM D638
Tensile Strength, Yield	26.5 MPa	3840 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Stiffness	980.7 MPa	142200 psi	Olsen; ASTM D747
Izod Impact, Notched	0.980 J/cm	1.84 ft-lb/in	ASTM D256

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