

Lotte Chemical Titan TITANZEX® HI2200 High density polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

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 Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANZEX-HI2200-High-density-polyethylene.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.957 g/cc	0.0346 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	5.0 hour	5.0 hour	F ₅₀ ; ASTM D1693
Base Resin Melt Index	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength at Break	16.7 MPa	2420 psi	ASTM D638
Tensile Strength, Yield	32.4 MPa	4700 psi	ASTM D638
Elongation at Break	>= 300 %	>= 300 %	ASTM D638
Flexural Stiffness	1030 MPa	149300 psi	Olsen; ASTM D747
Izod Impact, Notched	0.588 J/cm	1.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	124 °C	255 °F	resin; ASTM D1525

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