

HD7200B

High Density Polyethylene Resin

Product Description

InnoPlus HD7200B is extra high molecular weight high density polyethylene blow molding grade which is recommended for 20-120 litre drums. It has excellent processability and exhibits very high impact strength, stiffness and extremely environment stress crack resistance.

Typical Application : Hazardous chemical drums, Agricultural chemical drums.

Typical Properties :

Properties	Value	Unit	Method
<i><u>Physical Properties</u></i>			
Melt Flow Rate (2.16 kg/190 °C)	0.04	g/10 min	ASTM D1238
Melt Flow Rate (21.6 kg/190 °C)	8	g/10 min	ASTM D1283
Density	0.956	g/cm ³	ASTM D1505
Vicat Softening Point @ 10 N, 50 °C/hr	124	°C	ASTM D1525
Melting Point	130	°C	ASTM D2117
<i><u>Mechanical Properties</u></i>			
Tensile Strength @ Yield	300	kg/cm ²	ASTM D638
Tensile Strength @ Break	350	kg/cm ²	ASTM D638
Elongation @ Break	800	%	ASTM D638
Stiffness	10000	kg/cm ²	ASTM D747
Flexural Modulus	12000	kg/cm ²	ASTM D790
Notched Izod Impact Strength	25 (NB)*	kg.cm/cm	ASTM D256
Durometer Hardness	63	Shore D	ASTM D2240
ESCR (Condition B, 25 % Igepal)	>1000	hrs, F50	ASTM D1693

* NB = Non Break

Recommendation :

Extruder temperature : 195-220 °C

Die temperature : 200-220 °C

FDA Statement :

HDPE under the brand InnoPlus complies with U.S. FDA 21 CFR 177.1520 regulation for polyethylene used in articles that contact food except for articles used for packaging or holding food during cooking.

Note : Properties reported here are typical values of the product, not to be considered as specifications.

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