

HD2408J

High Density Polyethylene Resin

Product Description

InnoPlus HD2408J is high density polyethylene grade specially designed for high UV resistant requirement. It also exhibits high impact strength and good weathering resistance, suitable for outdoor applications.

Typical Application : Crate, Pallet, Garbage bin, outdoor applications.

Typical Properties :

Properties	Value	Unit	Method
<i>Physical Properties</i>			
Melt Flow Rate (2.16 kg/190 °C)	7.5	g/10 min	ASTM D1238
Density	0.964	g/cm ³	ASTM D1505
Vicat Softening Point @ 10 N, 50 °C/hr	124	°C	ASTM D1525
Melting Point	131	°C	ASTM D3418
<i>Mechanical Properties</i>			
Tensile Strength @ Yield	310	kg/cm ²	ASTM D638
Tensile Strength @ Break	120	kg/cm ²	ASTM D638
Elongation @ Break	750	%	ASTM D638
Stiffness	11000	kg/cm ²	ASTM D747
Flexural Modulus	16000	kg/cm ²	ASTM D790
Notched Izod Impact Strength	3 (C)*	kg.cm/cm	ASTM D256
Durometer Hardness	65	Shore D	ASTM D2240
ESCR, F ₅₀ (Condition B, 25 % Igepal)	2	hrs	ASTM D1693

* C = Complete Break

Recommendation :

Injection Molding Process — Extruder's temperature : 170 - 200 °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.