



HD2401C

High Density Polyethylene Resin

Special Characteristics: InnoPlus HD2401C is high density polyethylene with very narrow molecular weight distribution (MWD). They can be processed in either injection or compression molding and provides easy processing characteristics. Moreover, this grade tailor with high stiffness, good tensile strength and exhibits superior organoleptic properties which prevent unpleasant odor and taste from cap or closure to transfer to water.

Typical Applications : Beverage caps for drinking and mineral water.

Typical Properties :

roperties	HD2401C	Unit	Test Method
ysical Properties			
elt Flow Rate (190°C,2.16 kg)	7	g/10 min	ASTM D1238
ensity	0.964	g/cm ³	ASTM D1505
cat Softening Point @ 10 N, 50 °C/hr	127.5	°C	ASTM D1525
elting Point	136	°C	ASTM D3418
echanical Properties			
nsile Strength @ Yield	310	kg/cm ²	ASTM D638
nsile Strength @ Break	175	kg/cm ²	ASTM D638
ongation @ Break	750	%	ASTM D638
ffness	11000	kg/cm ²	ASTM D747
exural Modulus	15000	kg/cm ²	ASTM D790
otched Izod Impact Strength	4 (C)*	kg.cm/cm	ASTM D256
rometer Hardness	65	Shore D	ASTM D2240
CR, F ₅₀ (Condition B, 10 % Igepal)	5	hrs	ASTM D1693

* C = Complete Break

Processing Condition :

Injection Molding Process— Extrusion Temperature : 170 - 200 °C Compression Molding process— Extrusion Temperature 140 - 165 °C

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





HD2401C

High Density Polyethylene Resin

Processing Condition :

Injection Molding Process- Extrusion Temperature : 170 - 200 °C Compression Molding process— Extrusion Temperature 140 - 165 °C

FDA Statement :

HDPE under the brand InnoPlus complies with U.S. FDA 21 CFR 177.1520 (c) (2.1) and (2.2) regulation for polyethylene used in articles that contact food suitable for articles used for packaging or holding food during cooking.

Disclaimer :

This Applications specified herein is for reference only and not suitable for using in the manufacturing of any products in medical and pharmaceutical sectors.

- Determination of suitability of the product for the use and purpose shall be the customer's responsibility. Customer is obligated to inspect and test the product for such suitability. Customer is responsible for appropriate, safe, legal use processing and handling of the product.
- To our best knowledge, information contained herein is true and accurate as of the date of its publication. However, we make no representations or warranties with respect to accuracy, reliability and completeness of the information contained herein for any purpose.
- No warranties, express or implied, which extend beyond the description herein are given by us. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- We assume no liability for any use of the product in combination with other materials. The information contained herein entirely relates to the product when it is not used in combination with any third party's materials

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