

# HD3200C

High Density Polyethylene Resin

**Special Characteristics** : InnoPlus HD3200C is high density polyethylene which specially designed for beverage caps application. InnoPlus HD3200C exhibit very good processibility and has excellent organoleptic properties.

**Additive** : InnoPlus HD3200C is Non Slip Agent grade

**Typical Applications** : Beverage caps for mineral & stilled water, juice, tea and dairy etc.

**Typical Properties** :

Properties	HD3200C	Unit	Test Method
<i><u>Physical Properties</u></i>			
Melt Flow Rate (190°C, 2.16 kg)	2.3	g/10 min	ASTM D1238
Density	0.967	g/cm <sup>3</sup>	ASTM D1505
Vicat Softening Point @ 10 N, 50 °C/hr	123	°C	ASTM D1525
Melting Point	132	°C	ASTM D3418
<i><u>Mechanical Properties</u></i>			
Tensile Strength @ Yield	310	kg/cm <sup>2</sup>	ASTM D638
Elongation @ Break	150	%	ASTM D638
Flexural Modulus	17000	kg/cm <sup>2</sup>	ASTM D790
Notched Izod Impact Strength	2.5	kg.cm/cm	ASTM D256
Durometer Hardness	67	Shore D	ASTM D2240
ESCR, F <sub>50</sub> (Condition B, 25 % Igepal)	15	hrs, F50	ASTM D1693

\* C = Complete Break

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

PTT Global Chemical makes no representations as to the accuracy or completeness of the information contained herein.

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## Processing Condition :

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Injection Molding Process— Extrusion Temperature : 180 - 210 °C,  
Compression Molding process— Extrusion Temperature 140 - 180 °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.

## 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.
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