

# HD6200B/HD6600B

High Density Polyethylene Resin

**Special Characteristics** : InnoPlus HD6200B and HD6600B are high density polyethylene blow molding grade with optimum balance of processability, environmental stress cracking resistance (ESCR) and impact strength. They are used for wide variety blow molding applications of small to medium size container and multi use grade from high ESCR to normal ESCR.

**Typical Applications** : Personal care containers, Cosmetic containers, Detergent containers, Lubricant oil containers

**Typical Properties** :

Properties	HD6200B	HD6600B	Unit	Test Method
<i><u>Physical Properties</u></i>				
Melt Flow Rate (190 °C, 2.16 kg)	0.45	0.40	g/10 min	ASTM D1238
Density	0.962	0.957	g/cm <sup>3</sup>	ASTM D1505
Vicat Softening Point @ 10 N, 50 °C/hr	125	125	°C	ASTM D1525
Melting Point	131	133	°C	ASTM D3418
<i><u>Mechanical Properties</u></i>				
<i><u>(Based on compression specimens)</u></i>				
Tensile Strength @ Yield	330	320	kg/cm <sup>2</sup>	ASTM D638
Tensile Strength @ Break	350	400	kg/cm <sup>2</sup>	ASTM D638
Elongation @ Break	1000	1000	%	ASTM D638
Stiffness	10000	10000	kg/cm <sup>2</sup>	ASTM D747
Flexural Modulus	15000	14000	kg/cm <sup>2</sup>	ASTM D790
Notched Izod Impact Strength	12 (P)*	10 (P)*	kg.cm/cm	ASTM D256
Durometer Hardness	65	65	Shore D	ASTM D2240
ESCR, F <sub>50</sub> (Condition B, 25 % Igepal)	60	400	hrs	ASTM D1693

\* P = Partial 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.

# HD6200B/HD6600B

High Density Polyethylene Resin

## Processing Condition :

Extruder temperature : 165 - 190 °C

Die temperature : 180 - 195 °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.
- 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.

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