

# HD7808B

High Density Polyethylene Resin

**Special Characteristics :** InnoPlus HD7808B is high molecular weight high density polyethylene blow molding grade which is recommended for Intermediate bulk containers and large size drum. It has excellent processability and exhibits very high impact strength, stiffness and superior environmental stress cracking resistance. Furthermore, it is UV stabilizer added that give the excellent UV resistance for our outdoor application.

**Typical Applications :** Hazardous chemical, Agricultural chemical intermediate bulk containers and drums.

## Typical Properties :

Properties	HD7808B	Unit	Test Method
<b>Properties</b>			
<i>Physical Properties</i>			
Melt Flow Rate (5 kg/190°C)	0.2	g/10 min	ASTM D1238
Melt Flow Rate (21.6 kg/190°C)	6.0	g/10 min	ASTM D1238
Density	0.950	g/cm <sup>3</sup>	ASTM D1505
Vicat Softening Point @ 10 N, 50°C/hr	125	°C	ASTM D1525
Melting Point	130	°C	ASTM D3418
<i>Mechanical Properties</i>			
Tensile Strength @ Yield	300	kg/cm <sup>2</sup>	ASTM D638
Tensile Strength @ Break	370	kg/cm <sup>2</sup>	ASTM D638
Elongation @ Break	850	%	ASTM D638
Flexural Modulus	12000	kg/cm <sup>2</sup>	ASTM D790
Notched Izod Impact Strength	72 (NB)*	kg.cm/cm	ASTM D256
Durometer hardness	61	Shore D	ASTM D2240
ESCR, F <sub>50</sub> (Condition B, 25 % Igepal)	>1000	hrs	ASTM D1693

\* NB = Non 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 :**

Extruder temperature : 175 - 190 °C

Die temperature : 180 - 200 °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.
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