



HD9100B

High Density Polyethylene Resin

Special Characteristics : InnoPlus HD9100B is extra high molecular weight high density polyethylene blow molding grade which is recommended for 20-220 litre drums. It has excellent processability and exhibits very high impact strength and superior environment stress crack resistance.

Typical Applications : Hazardous chemical drums, Agricultural chemical drums.

Typical Properties :

PropertiesHD9100BUnitTest MethodPhysical Properties0.01g/10 minASTM D1238Mett Flow Rate (2.16 kg/190°C)2.5g/10 minASTM D1238Density0.952g/cm³ASTM D1505Vicat Softening Point @ 10 N, 50 °C/hr126°CASTM D1525Meting Point134°CASTM D3418Mechanical Properties (Based on compression specimens)Tensile Strength @ Yield250kg/cm²ASTM D638Elongation @ Break400kg/cm²ASTM D638Flexural Modulus10000kg/cm²ASTM D638Notched Izod Impact Strength85 (NB)*kg.cm/cmASTM D256Durometer Hardness62Shore DASTM D2240ESCR, F ₅₀ (Condition B, 25 % Igpan)>1000hrsASTM D1593				
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	Notched Izod Impact Strength	85 (NB)*	kg.cm/cm	ASTM D256
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	ESCR, F ₅₀ (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.





HD9100B

High Density Polyethylene Resin

Processing Condition :

Extruder temperature :	190 - 220 °C
Die temperature :	190 - 220 °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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