

HD6600BP

High Density Polyethylene Resin

Special Characteristics : InnoPlus HD6600BP is high density polyethylene in powder form with excellent particle size distribution control. This grade is designed for composite extrusion profile in variety product.

Typical Applications : Composite Extrusion Profile

Typical Properties :

Properties	HD6600BP	Unit	Test Method	
<i><u>Physical Properties</u></i>				
Melt Flow Rate (190 °C, 2.16 kg)	0.40	g/10 min	ASTM D1238	
Density	0.957	g/cm ³	ASTM D1505	
Vicat Softening Point @ 10 N, 50 °C/hr	125	°C	ASTM D1525	
Melting Point	133	°C	ASTM D3418	
<i><u>Mechanical Properties(Based on compression specimens)</u></i>				
Tensile Strength @ Yield	320	kg/cm ²	ASTM D638	
Tensile Strength @ Break	400	kg/cm ²	ASTM D638	
Elongation @ Break	1000	%	ASTM D638	
Flexural Modulus	14000	kg/cm ²	ASTM D790	
Notched Izod Impact Strength	10 (P)*	kg.cm/cm	ASTM D256	
Durometer Hardness	65	Shore D	ASTM D2240	
<i><u>Powder Properties</u></i>				
Powder Size Distribution	>250 μ	<1.5	%	ASTM D1921
	≤250μ	≥98.5	%	ASTM D1921

* 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.

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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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