

HD6900B

High Density Polyethylene Resin

Special Characteristics : InnoPlus HD6900B is high density polyethylene blow molding grade with optimum balance of processability and high strength. They are used for wide variety blow molding applications of small to medium size container and multi-use grade for lightweight container.

Typical Applications : Food and Beverage containers, Personal care containers, Cosmetic containers, Lubricant oil containers.

Typical Properties :

Properties	HD6900B	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	0.21	g/10 min	ASTM D1238
Density	0.966	g/cm ³	ASTM D1505
Vicat softening point	127	°C	ASTM D1525
Melting Temperature	135	°C	ASTM D3418
Mechanical Properties (Based on compression specimens)			
Tensile Strength at Yield	320	kg/cm ²	ASTM D638
Tensile Strength at Break	330	kg/cm ²	ASTM D638
Elongation at Break	>1,000	%	ASTM D638
Flexural Modulus	16,500	kg/cm ²	ASTM D790
Notched Izod Impact Strength	12 (P)*	kg.cm/cm	ASTM D256
Durometer Hardness	66	Shore D	ASTM D2240
ESCR, F ₅₀ (Condition B, 25% Igepal)	60	hrs	ASTM D1693

*P = Partial Break

Recommendation :

Extruder temperature : 160 - 180 °C

Die temperature : 180 - 200 °C

FDA Statement :

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

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

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