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
Physical Properties				
Melt Flow Rate (190 °C, 2.16 kg)	0.45	0.40	g/10 min	ASTM D1238
Density	0.962	0.957	g/cm^3	ASTM D1505
Vicat softening point	125	125	°C	ASTM D1525
Melting Temperature	135	135	°C	ASTM D3418
Mechanical Properties (Based on compression specimens)				
Tensile Strength at Yield	330	320	kg/cm^2	ASTM D638
Tensile Strength at Break	350	400	kg/cm^2	ASTM D638
Elongation at Break	1,000	1,000	%	ASTM D638
Stiffness	10,000	10,000	kg/cm^2	ASTM D747
Flexural Modulus	15,000	14,000	kg/cm^2	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_{50} (Condition B, 25% Igepal)	60	400	hrs	ASTM D1693

* P = Partial Break

Recommendation :

Extruder temperature : 165 - 190 °C

Die temperature : 180 - 195 °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.
GC makes no representations as to the accuracy or completeness of the information contained herein.

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Revised Date: December 2025