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 @ 10 N, 50 °C/hr	125	125	°C	ASTM D1525
Melting Point	131	133	°C	ASTM D3418
Mechanical Properties *(Based on compression specimens)*				
Tensile Strength @ Yield	330	320	kg/cm^2	ASTM D638
Tensile Strength @ Break	350	400	kg/cm^2	ASTM D638
Elongation @ Break	1000	1000	%	ASTM D638
Stiffness	10000	10000	kg/cm^2	ASTM D747
Flexural Modulus	15000	14000	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

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 : 165 - 190 °C
Die temperature : 180 - 195 °C

FDA Statement :

HDPE under the brand InnoPlus complies with U.S. FDA 21 CFR 177.1520 regulation for polyethylene used in articles that contact food except for articles used for packaging or holding food during cooking.