

HD6000F

High Density Polyethylene Resin

Product Description

InnoPlus HD6000F is high density polyethylene film grade which has special feature of output increment, good processability and drawdownability. This grade is suitable for high productivity or high speed machine to produce ultra thin films and general purpose films. InnoPlus HD6000F exhibits high mechanical strength, good stiffness and good heat sealability.

Typical Application : bags on roll, shopping bags, T-Shirt bags, plastic gloves and other general purpose bags

Typical Properties :

Properties	Value	Unit	Test Method
<i><u>Physical Properties</u></i>			
Melt Flow Rate (190 °C, 2.16 kg)	0.16	g/10 min	ASTM D1238
Density	0.956	g/cm ³	ASTM D1505
Vicat Softening Point @ 10 N, 50 °C/hr	125	°C	ASTM D1525
Melting Point	131	°C	ASTM D3418
<i><u>Mechanical Properties</u></i>			
Tensile Strength @ Yield	260	kg/cm ²	ASTM D638
Tensile Strength @ Break	370	kg/cm ²	ASTM D638
Elongation @ Break	950	%	ASTM D638
Stiffness	8200	kg/cm ²	ASTM D747
Flexural Modulus	11000	kg/cm ²	ASTM D790
Notched Izod Impact Strength	27 (NB)*	kg.cm/cm	ASTM D256
Durometer Hardness	64	Shore D	ASTM D2240
ESCR, F ₅₀ (Condition B, 25 % Igepal)	> 500	hrs	ASTM D1693

* NB = Non Break

Recommendation :

Extruder temperature : 180 - 200 °C

Die temperature : 190 - 210 °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.

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

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