HD6000F

High Density Polyethylene Resin

Special Characteristics : 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 Applications : bags on roll, shopping bags, T-Shirt bags, plastic gloves and other general purpose bags.

Typical Properties :

Properties	HD6000F	Unit	Test Method
Physical Properties			
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	125	°C	ASTM D1525
Melting Temperature	135	°C	ASTM D3418
Mechanical Properties (Based on compression specimens)			
Tensile Strength at Yield	260	kg/cm^2	ASTM D638
Tensile Strength at Break	370	kg/cm^2	ASTM D638
Elongation at Break	950	%	ASTM D638
Flexural Modules	11000	kg/cm^2	ASTM D790
Notched Izod Impact Strength	27(NB) *	kg.cm/cm	ASTM D256
Durometer Hardness	65	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 :

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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