HD7000F

High Density Polyethylene Resin

Special Characteristics : InnoPlus HD7000F is high density polyethylene film grade which well known for the high quality film applications. This grade is excellent for thin film processing with high mechanical strength, good stiffness and good heat sealability. It is suitable for producing general purpose packaging films in a wide range of size and thickness.

Typical Applications : Shopping bags, T-Shirt bags, Bags on roll, Garbage bags, Re-sealable bags, sanitary bags.

Typical Properties :

Properties	HD7000F	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	0.05	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 com-pression specimens)			
Tensile Strength at Yield	300	kg/cm^2	ASTM D638
Tensile Strength at Break	390	kg/cm^2	ASTM D638
Elongation at Break	820	%	ASTM D638
Flexural Modules	12000	kg/cm^2	ASTM D790
Notched Izod Impact Strength	30 (NB)*	kg.cm/cm	ASTM D256
Durometer Hardness	64	Shore D	ASTM D2240
ESCR, F_{50} (Condition B, 25 % Igepal)	>2000	hrs	ASTM D1693

* NB = Non Break

Recommendation :

Extrusion temperature : 170 - 190 °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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