HD7000F

High Density Polyethylene Resin

Product Description

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 Application :

Shopping bags, T-Shirt bags, Bags on roll, Garbage bags, Re-sealable bags, sanitary bags, Plastic gloves

Typical Properties :

Properties	Value	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	0.04	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	125	°C	ASTM D3418
Mechanical Properties			
Tensile Strength @ Yield	300	kg/cm^2	ASTM D638
Tensile Strength @ Break	390	kg/cm^2	ASTM D638
Elongation @ Break	820	%	ASTM D638
Stiffness	9500	kg/cm^2	ASTM D747
Flexural Modulus	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)	> 1000	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.
PTT Global Chemical makes no representations as to the accuracy or completeness of the information contained herein.

PTT Polymer Marketing Company Limited
Energy Complex Building A, 9th Floor, 555/1 Vibhavadi Rangsit Road, Chatuchak, Bangkok 10900 Tel: 66 2140 4488 Fax: 66 2140 4333

Revised Date : October, 2015