

HD3355F

High Density Polyethylene Resin

Special Characteristics

InnoPlus HD3355F is produced by slurry process, a technology licensed by Mitsui. This grade has well balance property of optical property, mechanical property and processability. The special characteristic of this grade consists of low gel content, stiffness and packing property. This grade is suitable for high quality film, produced by co-extrusion process.

Typical Application : Laminated film, Laminated Tube, General purpose film for packaging .

Typical Properties :

Properties	Typical Value	Unit	Test Method
<u>Physical Properties</u>			
Melt Flow Rate (190 °C, 2.16 kg)	1.1	g/10 min	ASTM D1238
Density	0.951	g/cm ³	ASTM D1505
Vicat Softening Point @ 10 N, 50 °C/ hr	122	°C	ASTM D1525
Melting Point	131	°C	ASTM D3418
<u>Mechanical Properties</u>			
<i>(Based on compression specimens)</i>			
Tensile Strength @ Yield	240	kg/cm ²	ASTM D638
Tensile strength @ Break	370	kg/cm ²	ASTM D638
Elongation @ Break	>1000	%	ASTM D638
Stiffness	7500	kg/cm ²	ASTM D747
Flexural Modulus	11000	kg/cm ²	ASTM D790
Notched Izod Impact Strength	14	kg.cm/cm	ASTM D256
Durometer Hardness	62	Shore D	ASTM D2240
ESCR, F ₅₀ (Condition B, 25 % Igepal)	25	hrs	ASTM D1693

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Recommendation :

Extruder temperature : 170 - 190 °C

FDA Statement :

HDPE under the brand InnoPlus complies with U.S. FDA 21 CFR 177.1520 (c) (2.1) and (2.2) regulation for polyethylene used in articles that contact food suitable for articles used for packaging or holding food during cooking.

Disclaimer :

This Applications specified herein is for reference only and not suitable for using in the manufacturing of any products in medical and pharmaceutical sectors.

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

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