

## 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 Applications :** Laminated film, Laminated tube, General purpose film for packaging.

**Typical Properties :**

Properties	HD3355F	Unit	Test Method
<b>Physical Properties</b>			
Melt Flow Rate (190 °C, 2.16 kg)	1.1	g/10 min	ASTM D1238
Density	0.951	g/cm <sup>3</sup>	ASTM D1505
Vicat Softening Point	122	°C	ASTM D1525
Melting Temperature	131	°C	ASTM D3418
<b>Mechanical Properties <a href="#">(Based on compression specimens)</a></b>			
Tensile Strength at Yield	240	kg/cm <sup>2</sup>	ASTM D638
Tensile Strength at Break	370	kg/cm <sup>2</sup>	ASTM D638
Elongation at Break	>1,000	%	ASTM D638
Stiffness	7,500	kg/cm <sup>2</sup>	ASTM D747
Flexural Modulus	11,000	kg/cm <sup>2</sup>	ASTM D790
Notched Izod Impact Strength	14	kg.cm/cm	ASTM D256
Durometer Hardness	62	Shore D	ASTM D2240
ESCR, F <sub>50</sub> (Condition B, 25 % Igepal)	25	hrs	ASTM D1693

**Recommendation :**

Extrusion temperature : 170 - 190 °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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*Note :* Properties reported here are typical values of the product, not to be considered as specifications.

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