

HD6100F

High Density Polyethylene Resin

Special Characteristics : InnoPlus HD6100F is high density polyethylene film grade which has good processability, high mechanical strength and good heat seal ability. This grade is suitable for high productivity or high speed machine to produce thin films and general purpose packaging films. The product can also use for matt surface appearance.

Typical Applications : MATT compounds , General purpose bags

Typical Properties :

Properties	HD6100F	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	0.15	g/10 min	ASTM D1238
Density	0.955	g/cm ³	ASTM D1505
Vicat Softening Point	127	°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	440	kg/cm ²	ASTM D638
Elongation at Break	1,000	%	ASTM D638
Flexural Modulus	12,000	kg/cm ²	ASTM D790
Notched Izod Impact Strength	37(NB) *	kg.cm/cm	ASTM D256
Durometer Hardness	64	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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Note : Properties reported here are typical values of the product, not to be considered as specifications.

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