

HD6699G

High Density Polyethylene Resin

Special Characteristics : InnoPlus HD6699G is high density polyethylene film grade which is for film and sheet processing with high mechanical strength and high stress crack resistance. It is suitable for producing geomembrane in a wide range of size and thickness.

Typical Applications : Geomembrane.

Typical Properties :

Properties	HD6699G	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	0.11	g/10 min	ASTM D1238
Density	0.942	g/cm ³	ASTM D1505
Vicat Softening Point	118	°C	ASTM D1525
Mechanical Properties (Based on compression specimens)			
Tensile Strength at Yield	190	kg/cm ²	ASTM D638
Tensile Strength at Break	370	kg/cm ²	ASTM D638
Elongation at Break	850	%	ASTM D638
Flexural Modulus	7,500	kg/cm ²	ASTM D790
Notched Izod Impact Strength	56 (NB)*	kg.cm/cm	ASTM D256
Durometer Hardness	59	Shore D	ASTM D2240
Stress Crack Resistance (NCTL)	>3,000	hrs	ASTM D5397

* NB = Non break

Recommendation :

Extrusion 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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