ILAM PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE HDPE 7000F

HD-7000F is a high molecular weight, high density polyethylene copolymer which has a broad molecular weight distribu☒on. The design of the product, molecular architecture and density, gives it a unique combination of easy extrusion and high melt strength with strong physical properties which makes it suitable for producing thin films with excellent strength and rigidity.

Producer	Characteristic Properties	Applications
ILAM	Excellent mechanical strength and high stiffness excellent process ability	thin films, grocery and heavy-duty bags, food packaging, and medical products like gowns and gloves.

Typical Properties

Resin Properties	Unit	Typical	Test Method
Melt Flow Rate(2.16kg)	g/10min	0.04	ISO 1133
Density	Kg/m3	952	ISO 1183
Tensile Stress at Yield	Kg/cm2	-	ASTM D 638
Tensile Strength at Break	Kg/cm^2	390	ASTM D 638
Elongation at Break	%	>500	ASTM D 638
Stress Cracking Resistance (80°C)	hr	400	ASTM D 1693
Melting Temperature	°C	131	ASTM D 3418
Izod Notched (23°C)	Kg.cm/cm	30	ASTM D 256