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ILAM PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE - HDPE 7000F (F7000)

High-density polyethylene film resin produced by a bi-modal process. Features reported in the source include high stiffness, low gel content, good moisture barrier and good impact resistance and processability.

FEATURES	Applications
High stiffness, good mechanical strength and processability, suitable for thin films and packaging bags.	Shopping and T-shirt bags; garbage bags; liner bags; enhanced ultra-thin film

Typical Properties

Resin Properties	Unit	Typical Value	Test Method
Melt flow rate (190 C / 5 kg)	g/10 min	0.04	ISO 1133
Density	g/cm³	0.952	ISO 1183
Melting point	°C	124	ISO 306
Vicat softening point	°C	131	ISO 11357
Shore hardness	D scale	64	ISO 868
Stress cracking resistance	h	> 600	ASTM D1693
Tensile strength at yield	MPa	27	ISO 527-1/-2
Tensile strength at break	MPa	> 24	ISO 527-1/-2
Charpy impact strength	kJ/m2	NB	ISO 179-1
Elongation at break	%	> 500	ISO 527-1/-2

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