



7000F

High Density Polyethylene

Material F7000 or 7000F polyethylene is a heavy polyethylene for the production of very thin films.

Producer:

Ilam Petrochemical Company

No.	Property	Value	Units	Test Method
1	Melt Flow Rate	0.04	g/10 min.	ISO 1133
2	Density	952	kg/m ³	ISO 1183
3	Tensile Strength at yield	27	MPa	ISO 527-1, -2
4	Tensile Strength at break	>24	MPa	ISO 527-1, -2
5	Elongation at Break	>500	%	ISO 527-1, -2
6	Charpy Impact strength	NB	kJ/m ²	ISO 179-1
7	Shore hardness	64	D scale	ISO 868
8	Stress cracking resistance	>600	hr	ASTM 1693
9	Melting temperature	131	°C	ISO 11357
10	Vicat softening temperature	124	°C	ISO 306

Applications:

Excellent mechanical strength and high stiffness Excellent processability (at high speed) Tissue-like film, garment/grocery/merchandise bags, disposal waste bags, counter bags, grocery sacks, trash bags.

