

7000F

High Density Polyethylene

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

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.

No .	Property	Value	Units	Test Method
1	Melt Flow Rate	0.04	gr/10min	ISO 1133
2	Density	952	kg/m3	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/m2	ISO 179-1
7	Shore hardness	64	Descale	ISO 868
8	Stress cracking resistance	>600	hr	ASTM 1693
9	Melting temperature	>131	OC	ISO 11357
10	Vicat softening temperature	124	OC	ISO 306



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