

Technical Data Sheet

HD- 7000F

High Density Polyethylene

HD7000F is high density polyethylene film grade which well known for the high quality film applications. This grade is excellent for thin film processing with high mechanical strength, good stiffness and good heat sealability. It is suitable for producing general purpose packaging films in a wide range of size and thickness.

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.

Properties	Test Method	Units	Value
Melt Flow Rate	ISO 1133	g/10 min	0.04
Density (23 °C)	ISO 1183	kg/m3	952
Tensile Strength at Yield	ISO 527-1, -2	Mpa	27
Tensile Strength at Break	ISO 527-1, -2	Mpa	>24
Elongation at Break	ISO 527-1, -2	%	>500
Charpy impact Strength	ISO 179-1	Kj/m2	NB
Shore hardness	ISO 868	D scale	64
Stress cracking resistance	ASTM 1693	hr	>600
Melting Temperature	ISO 11357	°C	131
Vicat softening Temperature	ISO 306	°C	124