

VP-HD-7000F

Description:

VP-HD-7000F is an extrusion grade high density polyethylene. This grade offers excellent mechanical strength, high stiffness, and excellent processability (at high speed). VP-HD-7000F is suitable for enhanced ultra thin films producing.

Features	Applications	Packaging
High density, excellent mechanical strength, high stiffness, and excellent processability at high speed.	Tissue-like films, garment / grocery / merchandise bags, disposal waste bags, counter bags, grocery sacks, and trash bags.	Supplied in the form of pellets, or in bulk, or in 25 Kg bags.

Physical properties	Unit	Typical value	Test method
MFR (190 °C / 2.16 Kg)	g/10min.	0.04	ISO 1133
Density	g/cm ³	0.952	ISO 1183
Thermal properties	Unit	Typical value	Test method
Vicat softening point	°C	124	ISO 306
Melting temperature	°C	131	ISO 11357
Mechanical properties	Unit	Typical value	Test method
Tensile stress at yield	MPa	27	ISO 527-1,-2
Tensile stress at break	MPa	>24	ISO 527-1,-2
Elongation at break	%	>500	ISO 527-1,-2
Shore D hardness	D scale	64	ISO 868
Charpy impact strength	KJ/m ²	N.B	ISO 179-1
ESCR	hours	>600	ASTM D-1693