



Product Data

TITANZEX HF7000 FOR FILM EXTRUSION

CHARACTER	HF7000 is a high density polyethylene resin for tubular film extrusion. HF7000 meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 3.1a & 3.2a.
APPLICATIONS	Very thin reinforcing film, Grocery bags, Merchandize bags, Disposal waste bags, Shopping bags
ADVANTAGES	Excellent processability, excellent draw down capability and high film strength and rigidity

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>HF7000</u> ^(a)	<u>ASTM METHOD</u> ^(b)
Melt index	g/10 min.	0.05	D 1238
Density	g/cm ³	0.953	D 1505

TYPICAL FILM PROPERTIES ^(c)

Tensile Strength at Break MD/TD	kg/cm ²	800/550	D 882
Ultimate Elongation MD/TD	%	250/660	D 882
1% Secant Modulus MD/TD	kg/cm ²	13000/12000	D 882
Elmendorf Tear MD/TD	g/μm	0.3/3	D 1922
Dart Impact Strength F ₅₀	g/μm	11	D 1709

(a) Values shown are typical and are not to be considered as specifications.

(b) ASTM test methods are latest under the Society's current procedures.

(c) Film properties are typical blown film of 17 microns extruded at 4:1 BUR.

Processing conditions

Melt temperature	: 180 - 240°C
BUR	: 4:1
Frost line height	: 7 - 12 times die diameter

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