

Linear Low Density Polyethylene HF2007

Description:

HF2007 is a Linear Low Density Polyethylene developed for blown film extrusion. Films obtained with this product show high impact and puncture resistance. It contains processing aid and antioxidant additives.

Applications:

Stretch film; high COF film and LDPE blends.

Process:

HF2007 must be processed in blown extruder, adjusted to this polymer. The excellent conditions of processing in accordance with the type of used equipment, but the best results are gotten with 180 to 210°C extrusion temperature.

Control Properties:

	ASTM Method	Units	Values
Melt Flow Rate (190/2.160)	D 1238	g/10 min	0.73
Density	D 792	g/cm ³	0.920

Typical Properties:

Blown Film Properties^a

	ASTM Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	45/40
Elongation at Break (MD/TD)	D 882	%	1260/1530
Haze ^b	D 1003	%	17
Gloss - Angle 45° ^b	D 2457	%	66

(a) 100 µm thickness film, processed in a 70mm screw diameter extruder with blow up ratio of 2.2:1; die gap 1.8mm and 150Kg/h output.

(b) 130 µm thickness film, processed in a 70mm screw diameter extruder, with blow up ratio of 2.2:1; die gap 1.8mm and 150Kg/h output.

