

Linear Low Density Polyethylene HF2207B5

Description:

The HF2207B5 resin is a linear low density polyethylene recommended for blown film extrusion. Have high impact and puncture resistance, high coefficient of friction (COF) and high weld rupture resistance.

Application:

Heavy duty bags, liners, lamination and high COF films.

Additive:

Antioxidant
Processing aid
Anti-blocking

Process:

Blown film e extrusion

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	0.73
Density	D 792	g/cm3	0.922

Typical Properties:

Blow Film Properties^b

	ASTM Methods	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	45/40
Elongation at Break (MD/TD)	D 882	%	1040/1330
Tensile Modulus – 1% Secant (MD/TD)	D 882	MPa	150/170
Dart Drop Impact	D 1709	g/F50	535
Elmendorf Tear Strength (MD/TD)	D 1922	gF	870/2900
Haze	D 1003	%	21
Gloss - Angle 45°	D 2457	-	65

(a) 100 µm Film Gauge, obtained in 40 mm extruder with blow up ratio of 2,2:1 . (MD: Machine direction; TD: Transversal direction).

Recommended Processing Conditions:

- Temperature profile: 180 to 210°C
- Melt temperature: 215°C (max.)
- B low-up ratio: 1.8:1 – 2.5:1

