

Linear Low Density Polyethylene LH537

Description:

LH537 is a LLDPE that offers an excellent processability, stiffness and soft touch for flat die films. Very low gel contents.

Additives:

Slip Absent, Antiblock Absent.

Application:

Diapers (back sheet); absorbent pads (back sheet).

Process:

Cast Film Extrusion

Control Properties:

	ASTM Methods	Units	Values
Melt Flow Rate (190/2.16)	D 1238	g/10 min	4.8
Density	D 792	g/cm ³	0.937

Typical Properties:

Blow Film Properties^a

	ASTM Methods	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	30/30
Elongation at Break (MD/TD)	D 882	%	1320/1400
Flexural Modulus – 1% Secant (MD/TD)	D 882	MPa	420/430
Dart Drop Impact	D 1709	g/F50	ND
Elmendorf Tear Strength (MD/TD)	D 1922	gF	20/30

(a) 38 µm Film Gauge, obtained in 40 mm extruder, die gap 1.0 mm, output 1.75 kg/h*cm with 2:1 BUR. (MD: Machine direction; TD: Transversal direction).

Recommended Processing Conditions:
Cast Films

- Temperature profile: from 190 to 230°C
- Screen package (Mesh):
 - . 40/40 - 100% pure
 - . 40/60/40 - Blend
- Mass temperature: 230°C (max 250°C)

