

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)

Final Remarks:

1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.
2. These information reflect typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Application Engineering.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 60785-11-7.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
8. The content of this Data Sheet replaces previous revisions published for this product.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.