Braskem

Datasheet
07/10/2025

Low Density Polyethylene EB853

Description:

EB853 low density polyethylene produced under high pressure in a Tubular reactor. Films obtained with this product show outstanding optical properties, good sealability, and low gel content.

Applications:

Blends with LLDPE, Blends with HDPE

Processes:

Cast Film Extrusion.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.7
Density	D 792	g/cm³	0.923

Typical Properties - Films:

Blown Film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	25/20
Elongation at Break (MD/TD)	D 882	%	350/1050
1% Secant Modulus (MD/TD)	D 882	MPa	145/150
Dart Drop Impact	D 1709	g/F50	80
Elmendorf Tear Strength (MD/TD)	D 1922	gF	580/210
Haze	D 1003	%	7
Gloss - Angle 60º	D 2457	%	75

(a) 40 µm thickness film in a 75mm screw diameter extruder with blow up ratio of 2.2:1. (MD: Machine Direction; TD: Transversal Direction)

Final Remarks

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
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