Braskem Braskem Flexus

Datasheet
APR 2023

Linear Low Density Polyethylene FLEXUS 9213S

Description:

FLEXUS 9213S is an ethylene alpha-olefin copolymer with a density lower than 0.94, produced through metallocene catalyst which presents excellent impact and puncture strength, especially suitable for applications that require high mechanical strength. Its differentiated additive formulation confers low blockage, with maintenance of excellent optical properties.

Applications:

Flexible packaging, Laminates, roll films for automatic packaging, High performance films, Specialty Films

Processes:

Single Layer Tubular Film Extrusion and Coextrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	1.0
Density	ASTM D 792	g/cm³	0.919

Typical Properties - Films:

Blown Film Properties[a]

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	26.5 / 19.4
Elongation at Break (MD/TD)	D 882	%	665 / 730
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	165 / 170
Dart Drop Impact	D 1709	g/F50	462
Elmendorf Tear Strength (MD/TD)	D 1922	gF	279 / 815
Haze	D 1003	%	10.5
Gloss - Angle 45º	D 2457	%	71.5

(a) Film with 40 microns produce in a 75mm extruder with 10% of LDPE and a blow-up ratio of 2.2:1. (MD = extrusion direction and 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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