Braskem

Datasheet
05/07/2021

Low Density Polyethylene LD4003

Description:

LD4003 is a Low Density Polyethylene produced under high pressure conditions in a tubular reactor. It offers good processability and excellent mechanical and optical properties.

Additives: Slip and Antiblock

Applications:

Technical films for automatic packaging, General use films, Blends with LLDPE

Processes:

Blown Film Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.0
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	%	590/920
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	145/150
Dart Drop Impact	D 1709	g/F50	140
Elmendorf Tear Strength (MD/TD)	D 1922	gF	460/300
Haze	D 1003	%	7
Gloss - Angle 45º	D 2457	%	79
Gloss - Angle 60º	D 2457	%	116

(a) 40 µm thickness film in a 70mm screw diameter extruder with blow up ratio of 2.3:1, die gap 1 mm. (MD: Machine Direction; TD: Transversal Direction)

Final Remarks:

1. The information presented in this Data Sheet reflects 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.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.