


Datasheet

08/02/2019

Ethylene-Vinyl Acetate Copolymer TN2006
Description:

TN2006 is an Ethylene-Vinyl Acetate (EVA) copolymer with good mechanical properties, high flexibility and toughness even at low temperatures. It has excellent optical and heat sealability properties. Additionally, this product has good water vapor barrier. The rheological properties allow processability in tubular film extrusion equipment, being able to be coextruded in combination with many other materials.

Applications:

Food packaging, Geomembrane

Processes:

Blown Film Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	0.7
Vinyl-Acetate Content	ASTM D 5594-98	%	18.0

Typical Properties - EVA:

Plaque Properties (a)

Feature	Method	Units	Values
Density	D 1505 / D 792	g/cm ³	0.940
Tensile Strength at Break	D 638	MPa	33
Elongation at Break	D 638	%	680
Hardness	D 2240	Shore A / D	89/39
Melting Point	D 3418	°C	90
Vicat Softening Temperature at 10 N	D 1525	°C	70

(1) Braskem test method available for customers. (a) Test specimens prepared from compression molded plate according to ASTM D 4703. (b) Compression molded 2 mm thickness, 0.3 mm notched-plaques; 100% Igepal; 50°C.

Typical Properties - EVA (film):

Blow Film Properties (b)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	38 / 33
Elongation at Break (MD/TD)	D 882	%	820 / 700
1% Secant Modulus (MD/TD)	D 882	MPa	44/46
Dart Drop Impact Strength	D 1709 (B)	gF	950
Elmendorf Tear Strength (MD/TD)	D 1922	gF	210 / 320
Haze	D 1003	%	2
Gloss - Angle 45°	D 2457	-	92

(MD = Machine Direction; TD = Transversal Direction) (1) Braskem test method available for customers. (b) 50 µm thickness film, processed in a 50 mm blow film line with barrier screw. 25:1 L/D and a 1,0 mm die gap at a 2,3: 1 blow up ratio.

Final Remarks:

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