

# Braskem EVA TN2006

Ethylene Vinyl Acetate Copolymer

Braskem

## Message:

TN2006 is an Ethylene-Vinyl Acetate (EVA) copolymer with good mechanical properties, high flexibility and toughness even with low temperature, excellent optical and salability properties. Additionally, this product has good water vapor barrier. The melt properties allow processability in tubular film equipment, being able to be coextruded in combination with many others materials

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Good Flexibility		
	Good Heat Seal		
	Low Temperature Toughness		
	Moisture Barrier		
	Opticals		
	Ultra High Toughness		
	Uses	Agricultural Applications	
Film			
Food Packaging			
Geo Membranes			
Laminates			
Stretch Wrap			
Agency Ratings	FDA 21 CFR 177.1350		
Processing Method	Coextruded Film		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, Compression Molded	89		
Shore D, Compression Molded	39		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	33.0	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	680	%	ASTM D638

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	μm	
Secant Modulus			ASTM D882
2% Secant, MD : 50 μm, Blown Film	39.0	MPa	
2% Secant, TD : 50 μm, Blown Film	38.0	MPa	
Tensile Strength			ASTM D882
MD : Break, 50 μm, Blown Film	32.0	MPa	
TD : Break, 50 μm, Blown Film	31.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 μm, Blown Film	450	%	
TD : Break, 50 μm, Blown Film	700	%	
Dart Drop Impact (50 μm, Blown Film)	600	g	ASTM D1709B
Elmendorf Tear Strength			ASTM D1922
MD : 50 μm, Blown Film	150	g	
TD : 50 μm, Blown Film	350	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	70.0	°C	ASTM D1525 <sup>1</sup>
Peak Melting Temperature	90.0	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm, Blown Film)	87		ASTM D2457
Haze (50.0 μm, Blown Film)	1.3	%	ASTM D1003
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	150 to 190	°C	
NOTE			

1. Loading 1 (10 N)

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