Tritheva® TN 2007

Ethylene Vinyl Acetate Copolymer

Petroquimica Triunfo

Message:

Tritheva®TN 2007 is an ethylene vinyl acetate copolymer (EVA) material. This product is available in Latin America and is processed by film extrusion or co-extrusion.
Tritheva®The main features of TN 2007 are:
high molecular weight
Good processability
accessible food
Good dimensional stability
Impact resistance
Typical application areas include:
packing
Movie
Agriculture
food contact applications
application of coating

General Information	
Features	Good dimensional stability High molecular weight Impact resistance, good Workability, good Definition, high Compliance of Food Exposure
Uses	Films Laminate Agricultural application Food packaging
Agency Ratings	ANVISA n°105/99 FDA 21 CFR 177.1350
Forms	Particle
Processing Method	Film extrusion Co-extrusion molding

Physical	Nominal Value	Unit	Test Method
Density	0.933	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.65	g/10 min	ASTM D1238
Vinyl Acetate Content	9.0 - 11.0	wt%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Strength			ASTM D638
Yield, molding	6.00	MPa	ASTM D638
Fracture, molding	22.0	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	720	%	ASTM D638
Films	**Nominal Value**	**Unit**	**Test Method**
secant modulus			ASTM D882
5% secant, MD: 50 µm, blown film	62.0	MPa	ASTM D882
5% secant, TD: 50 µm, blown film	61.0	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 50 µm, blown film	29.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	25.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	350	%	ASTM D882
TD: Broken, 50 µm, blown film	730	%	ASTM D882
Thermal	**Nominal Value**	**Unit**	
Melting Temperature	99.0	°C	
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss			ASTM D2457
45, 50.0 µm, blown film	82		ASTM D2457
60, 50.0 µm, blown film	130		ASTM D2457
Haze (50.0 µm, Blown Film)	2.3	%	ASTM D1003

Additional Information

Film properties taken from 50 µm blown film produced on a 50 mm extruder, L/D=25, die gap=1.0 mm, BUR=2.3:1Melt Mass-Flow Rate, ASTM D1238, 190°C/2.16 kg: 0.50 to 0.80 g/10 min

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	140 - 150	°C
Cylinder Zone 2 Temp.	140 - 155	°C
Cylinder Zone 3 Temp.	155 - 170	°C
Adapter Temperature	170 - 190	°C

Extrusion instructions

Recommended Blow Up Ratio: 2-3:1

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China


WECHAT