ELEVATE™ EF545

Ethylene Vinyl Acetate Copolymer

Westlake Chemical Corporation

Message:

Westlake EF545AW resin is a 4.0% VA ethylene vinyl acetate copolymer with high antiblock designed for stretch and other film applications where cold temperature performance and low C.O.F. are needed. This grade provides reasonable optics even with the high antiblock loading necessary to achieve the low C.O.F. Excellent cold temperature performance, toughness, and resistance to load deformation make EF545AW a wise selection for wrapping pallets stored in food freezers and other cold environments.
Application/Uses:
Pallet wrap stretch film
Food packaging stretch film

General Information			
Features	Kosher certification Low Temperature Flexibility High caking resistance Copolymer Optical		
Uses	Packaging Films Stretch winding		
Agency Ratings	FDA 21 CFR 177.1350		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.931	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)	0.55	g/10 min	ASTM D1238
Vinyl Acetate Content	4.0	wt%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.50		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	38	µm	
secant modulus [1]			ASTM D882
1% secant, MD: 38 µm, blown film	166	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	200	MPa	ASTM D882
Tensile Strength [2]			ASTM D882
MD: Broken, 38 µm, blown film	22.0	MPa	ASTM D882
TD: Broken, 38 µm, blown film	17.0	MPa	ASTM D882
Tensile Elongation [3]			ASTM D882
MD: Broken, 38 µm, blown film	230	%	ASTM D882
TD: Broken, 38 µm, blown film	600	%	ASTM D882

Dart Drop Impact [4] (38 µm, Blown Film)	160	g	ASTM D1709
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 38.1 µm, Blown Film)	50		ASTM D2457
Haze (38.1 µm, Blown Film)	13	%	ASTM D1003
Additional Information			
Test specimens for blown film: nominal thickness 1.5 mils; blow up ratio 2.4:1, die gap 35 mils.			
NOTE			
1.	Test run at 23°C (73°F) and 50% relative humidity		
2.	Test run at 23°C (73°F) and 50% relative humidity		
3.	Test run at 23°C (73°F) and 50% relative humidity		
4.	Test run at 23°C (73°F) and 50% relative humidity		

Recommended distributors for this material

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