

ELEVATE™ EF563

Ethylene Vinyl Acetate Copolymer

Westlake Chemical Corporation

Message:

Westlake EF563 is 6.5% ethylene vinyl acetate copolymer designed for blown film extrusion. EF563 has excellent drawdown, low temperature melting/dispersion, and clarity optics in a soft but very tough film.

Application/Uses:

Batch Inclusion bags

Film packaging

General Information			
Features	Kosher certification		
	Copolymer		
	Optical		
	Good stripping		
	Good toughness		
Uses	Packaging		
	Bags		
Agency Ratings	FDA 21 CFR 177.1350		
Processing Method	Blow film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.932	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	1.1	g/10 min	ASTM D1238
Vinyl Acetate Content	6.5	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
secant modulus			ASTM D882
1% secant, MD: 38 µm, blown film	96.5	MPa	ASTM D882
1% secant, TD: 38 µm, blown film	103	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 38 µm, blown film	31.0	MPa	ASTM D882
TD: Broken, 38 µm, blown film	22.8	MPa	ASTM D882
Dart Drop Impact (38 µm, Blown Film)	180	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	103	°C	Internal method
Optical	Nominal Value	Unit	Test Method
Gloss ¹ (45°, 38.1 µm, Blown Film)	60		ASTM D2457

Haze ² (38.1 μm, Blown Film)	10	%	ASTM D1003
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Additional Information

Typical film properties as measured on 1.5 mil blown film fabricated with a 35 mil die gap, 2.5:1 BUR, 400 F melt temperature, and 50 F chilled air at 7 lbs/hr/die in rate.

Extrusion	Nominal Value	Unit
Melt Temperature	193 - 204	°C

NOTE

1.	Based on LV formulation - contains 1200 ppm erucamide slip and 9000 ppm antiblock.
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