

# ELEVATE™ EB502

Ethylene Vinyl Acetate Copolymer

Westlake Chemical Corporation

## Message:

Westlake Elevate™ EB502 resin is a fractional melt index 12.5% VA ethylene vinyl acetate copolymer designed for flexible packaging and other films that require excellent toughness and good heat sealing characteristics. This resin has excellent low temperature brittleness properties, melt strength, and flexibility.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Flexibility		
	Good Heat Seal		
	Good Melt Strength		
	Good Toughness		
Uses	Bags		
	Film		
	Foam		
	Food Packaging		
	Heavy-duty Bags		
	Packaging		
	Plastics Modification		
	Profiles		
Agency Ratings		FDA 21 CFR 177.1350	
Processing Method		Profile Extrusion	
Physical	Nominal Value	Unit	Test Method
Density	0.934	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.55	g/10 min	ASTM D1238
Vinyl Acetate Content	12.5	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 51 µm, Blown Film	75.8	MPa	
1% Secant, TD : 51 µm, Blown Film	89.6	MPa	
Tensile Strength			ASTM D882
MD : Break, 51 µm,Blown Film	27.6	MPa	
TD : Break, 51 µm,Blown Film	29.6	MPa	
Tensile Elongation			ASTM D882

MD : Break, 51 µm,Blown Film	450	%	
TD : Break, 51 µm,Blown Film	950	%	
Dart Drop Impact (51 µm, Blown Film)	580	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	76.0	°C	ASTM D1525
Peak Melting Temperature	94.0	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.8 µm, Blown Film)	70		ASTM D2457
Haze (50.8 µm, Blown Film)	4.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 204	°C	

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#### Recommended distributors for this material

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