

ELEVATE™ EB508AA

Ethylene Vinyl Acetate Copolymer
Westlake Chemical Corporation

Message:

Westlake ELEVATE™ EB508AA is an ethylene vinyl acetate copolymer with 18% VA. EB508AA is 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.

Application/Uses

Frozen food packaging

Fresh food packaging

Ice Bags

Heavy duty produce bags

General Information			
Features	Heat sealable		
	Good heat sealability		
	Good melt strength		
	Good flexibility		
	Low temperature resistance		
	Good toughness		
Uses	Packaging		
	Bags		
	Food packaging		
	Heavy packing bag		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	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%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
secant modulus			ASTM D882
1% secant, MD: 51 µm, blown film	51.7	MPa	ASTM D882
1% secant, TD: 51 µm, blown film	58.6	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 51 µm, blown film	31.7	MPa	ASTM D882
TD: Broken, 51 µm, blown film	31.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 51 µm, blown film	500	%	ASTM D882
TD: Broken, 51 µm, blown film	950	%	ASTM D882

Dart Drop Impact (51 μm, Blown Film)	600	g	ASTM D1709
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	67.8	°C	ASTM D1525
Peak Melting Temperature	86.1	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.8 μm, Blown Film)	85		ASTM D2457
Haze (50.8 μm, Blown Film)	2.0	%	ASTM D1003
Additional Information			
Test specimens for blown film: nominal thickness 2.0 mils; blow up ratio 2.5:1; die gap 35 mils.			
Extrusion	Nominal Value	Unit	
Melt Temperature	182 - 199	°C	

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