

# ELEVATE™ EF561

Ethylene Vinyl Acetate Copolymer

Westlake Chemical Corporation

## Message:

Westlake EF561 resin is a fractional melt index 6.5% EVA copolymer designed for ice bags, frozen food bags, and other films that require excellent toughness and good heat sealing characteristics. This Kosher compliant resin has excellent low temperature brittleness properties.

### Application/Uses:

Frozen food packaging

Fresh food packaging

Ice bags

Heavy duty produce bags

General Information			
Features	Kosher certification		
	Copolymer		
	Good heat sealability		
	Low temperature resistance		
	Good toughness		
Uses	Films		
	Bags		
	Food packaging		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1350		
Processing Method	Blow film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.929	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)	0.55	g/10 min	ASTM D1238
Vinyl Acetate Content	6.5	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
secant modulus			ASTM D882
1% secant, MD: 32 µm, blown film	103	MPa	ASTM D882
1% secant, TD: 32 µm, blown film	110	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 32 µm, blown film	24.1	MPa	ASTM D882
TD: Broken, 32 µm, blown film	25.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 32 µm, blown film	380	%	ASTM D882

TD: Broken, 32 μm, blown film	550	%	ASTM D882
Dart Drop Impact (32 μm, Blown Film)	480	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 31.8 μm, Blown Film)	74		ASTM D2457
Haze (31.8 μm, Blown Film)	4.8	%	ASTM D1003

#### Additional Information

Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity. Test specimens for blown film: nominal thickness 1.25 mils; blow up ratio 2.5:1, die gap 35 mils.

Extrusion	Nominal Value	Unit
Melt Temperature	182 - 199	°C

#### Extrusion instructions

Melt temperatures of 360° F - 390° F are recommended for Westlake Chemical EF561 with blow-up ratios of 1.5:1 or higher.

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