

ELEVATE™ EB591

Ethylene Vinyl Acetate Copolymer
Westlake Chemical Corporation

Message:

Westlake EB591 resin is a 9% 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.

General Information			
Features	Food Contact Acceptable		
	Good Heat Seal		
	Good Toughness		
	Kosher Approved		
Uses	Bags		
	Film		
	Foam		
	Heavy-duty Bags		
	Packaging		
	Tubing		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.931	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Vinyl Acetate Content	9.0	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	
1% Secant, TD : 38 µm, Blown Film	124	MPa	
Tensile Strength			ASTM D882
MD : Break, 38 µm,Blown Film	32.4	MPa	
TD : Break, 38 µm,Blown Film	23.4	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm,Blown Film	300	%	
TD : Break, 38 µm,Blown Film	950	%	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.1 µm, Blown Film)	60		ASTM D2457
Haze (38.1 µm, Blown Film)	4.8	%	ASTM D1003
Extrusion	Nominal Value	Unit	

Melt Temperature

193 to 210

°C

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