

ELEVATE™ EF598

Ethylene Vinyl Acetate Copolymer

Westlake Chemical Corporation

Message:

Westlake EF598 resin is a 9.0% EVA copolymer designed for extrusion coating, laminations, cast film, and compounding. This grade exhibits excellent clarity, toughness, drawdown, and TD heat shrinkage.

Application/Uses:

- Food packaging tie layer
- Heat seal layer
- Extrusion coating and cast film
- Compounding

General Information			
Features	Copolymer		
	Good stripping		
	Good thermal shrinkage		
	Definition, high		
	Good toughness		
	Compliance of Food Exposure		
Uses	Packaging		
	Laminate		
	Composite		
	cast film		
	Coating application		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Processing Method	Lamination method		
	Composite		
	Extrusion coating		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ASTM D1238
Vinyl Acetate Content	9.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant	96.5	MPa	ASTM D882
Tensile Strength ¹			ASTM D638
Yield	6.90	MPa	ASTM D638

Fracture	11.8	MPa	ASTM D638
Tensile Elongation ² (Break)	500	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	74.0	°C	ASTM D1525
Peak Melting Temperature	97.0	°C	ASTM D3418
Additional Information			
Tests are run at 23°C (73°F) and 50% relative humidity.			
Extrusion	Nominal Value	Unit	
Melt Temperature	193 - 216	°C	
NOTE			
1.	Type 4		
2.	Type 4		

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