



Ateva® 1081

Celanese EVA Performance Polymers - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

This resin is commonly used for film extrusions requiring superior sealability and strength.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Copolymer	• Good Heat Seal	• High Strength
Uses	• Film		
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• Film Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.933	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Vinyl Acetate Content	9.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus - 1% Secant	17800	psi	ASTM D790
Films	Nominal Value	Unit	Test Method
Tensile Strength - MD ² (Break)	3340	psi	ASTM D882A
Tensile Strength - TD ² (Break)	3480	psi	ASTM D882A
Tensile Elongation - MD ² (Break)	380	%	ASTM D882A
Tensile Elongation - TD ² (Break)	550	%	ASTM D882A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	180	°F	ASTM D1525
Peak Melting Temperature	216	°F	ASTM D3418

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	< 410	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² 20 in/min