



Ateva® 1081G

Celanese EVA Performance Polymers - Ethylene Vinyl Acetate Copolymer

Sunday, November 3, 2019

General Information

Product Description

This resin is commonly used for medical packaging and manufactured to comply with USP Class VI

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Features	• Copolymer	
Uses	• Medical Packaging	
Agency Ratings	• EC 1907/2006 (REACH)	• USP Class VI
Forms	• Pellets	
Processing Method	• 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
Tensile Strength ² (Break)	2470	psi	ASTM D638
Tensile Elongation ² (Break)	700	%	ASTM D638
Flexural Modulus - 1% Secant	17800	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	95		
Shore D	43		
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 Type IV, 2.0 in/min