

**Ateva® 1081G****EVA COPOLYMER****Product Description**

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

Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Vinyl Acetate	9	%	9	%	PTM-39
Melt Index (190 °C/2.16 kg)	1.1	g/10 min.	1.1	g/10 min.	ASTM D1238
Density	933	kg/m ³	0.933	g/cm ³	ASTM D1505 ASTM D1928 Proc A
Antioxidant	No		No		

Thermal Properties

DSC Melt Temp	102	°C	216	°F	ASTM D3418
Vicat Softening Point	82	°C	180	°F	ASTM D1525

Molded Plaque Properties

Tensile Strength at Break	17	MPa	2470	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	700	%	700	%	
Hardness - Shore A	95	--	95	--	ASTM D2240
Hardness - Shore D	43	--	43	--	
Flexural Modulus (1% Secant)	123	MPa	17,840	psi	ASTM D790

Processing Information

This polymer may be processed on conventional extrusion equipment. It is recommended that the melt temperature be kept below 210°C as decomposition can occur at higher temperatures.

Regulatory Compliance

Contact Celanese Customer Service for information about food contact or other regulatory compliance.