



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.