

**Ateva® 1820****EVA COPOLYMER****Product Description**

This resin is commonly used for hot melt coating and adhesive, foam, and compounding applications.

Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Vinyl Acetate	18	%	18	%	PTM-39
Melt Index (190 °C/2.16 kg)	3.0	g/10 min.	3.0	g/10 min.	ASTM D1238
Density	938	kg/m ³	0.938	g/cm ³	ASTM D1505 ASTM D1928 Proc A
Antioxidant	No		No		

Thermal Properties

DSC Melt Temp	87	°C	189	°F	ASTM D3418
Ring & Ball Softening Point	172	°C	342	°F	ASTM E28

Molded Plaque Properties

Tensile Strength at Break	15	MPa	2180	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	680	%	680	%	
Hardness - Shore A	90	--	90	--	ASTM D2240
Flexural Modulus (1% Secant)	52	MPa	7540	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.