

**Ateva® 1821A****EVA COPOLYMER****Product Description**

This resin is commonly used for coextrusion due to its superior sealability and strength.

Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Vinyl Acetate	18	%	18	%	PTM-39
Melt Index (190 °C/2.16 kg)	3	g/10 min.	3	g/10 min.	ASTM D1238
Density	938	kg/m ³	0.938	kg/m ³	ASTM D1505 ASTM D1928 Proc A
Antioxidant	Yes		Yes		

Thermal Properties

DSC Melt Temp	87	°C	189	°F	ASTM D3418
Vicat Softening Point	59	°C	138	°F	ASTM D1525

Film Properties

Tensile Strength at Break MD	23	MPa	3340	psi	ASTM D882 Method A (500mm/min)
Tensile Strength at Break TD	27	MPa	3920	psi	
Elongation at Break MD	460	%	460	%	ASTM D882 Method A (500mm/min)
Elongation at Break TD	620	%	620	%	
Flexural Modulus (1% Secant)	45	MPa	6530	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.