



## Ateva® 2842A

## EVA COPOLYMER

### Product Description

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

Resin Properties	Typical Value	SI Unit	Imperial	Unit	Test Method
Vinyl Acetate	28	%	28	%	PTM-39
Melt Index (125 °C/0.325 kg)	400	g/10 min.	400	g/10 min.	ASTM D1238
Density	941	kg/m <sup>3</sup>	0.941	g/cm <sup>3</sup>	ASTM D1505 ASTM D1928 Proc A
Antioxidant	Yes		Yes		

### Thermal Properties

DSC Melt Temp	65	°C	149	°F	ASTM D3418
Ring & Ball Softening Point	84	°C	183	°F	ASTM E28

### Molded Plaque Properties

Tensile Strength at Break	3	MPa	363	psi	ASTM D638 Type IV (50mm/min)
Elongation at Break	600	%	600	%	
Hardness - Shore A	67	--	67	--	ASTM D2240
Hardness - Shore D	14	--	14	--	
Flexural Modulus (1% Secant)	12	MPa	1740	psi	ASTM D790

### Processing Information

It is recommended that the melt temperature be kept below 210°C as decomposition can occur at higher temperatures. Contains an antioxidant to minimize viscosity changes of the hot melt blends during processing.

### Regulatory Compliance

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

Disclaimer: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colorants or other additives may cause significant variations in data values.

Properties of parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

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Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been mentioned in this publication, we neither suggest nor guarantee that such hazards are the only ones that exist. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves that they can meet all applicable safety and health standards.

We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please contact EVA.techservice@celanese.com for additional technical information. Please read and comply with the recommendations outlined in the Materials Safety Data Sheets (MSDS), which may be obtained by calling Customer Services at 1-800-661-3663.