Celanese

The chemistry inside innovation™

Ateva®

EVA & LDPE POLYMERS

UNIQUE SOLUTIONS FOR YOU

TRANSFORMING OUR TECHNOLOGY INTO YOUR SUCCESS.

At Celanese, our business starts with listening. Listening to your needs, the needs of the marketplace and to end users across a broad range of industries.

We listen because we are always striving to create polymer technology, like our Ateva® high-performance polymers, that meets the market requirements of today and tomorrow. So that no matter what the future holds, you can count on us to be there with a custom-tailored solution for you.

WHAT IS ATEVA?

Celanese manufactures a full line of high-performance ethylene vinyl acetate (EVA) copolymers. Our EVA copolymers, under the Ateva® brand name, feature up to 40% vinyl acetate content, a broad melt index (MI) range and worldwide recognition for quality and versatility.

WHY ATEVA?

Ateva polymers are created using the newest high-pressure resin production technology in North America, in equipment specifically designed for EVA manufacturing. Our state-of-the-art facility features:

- A range of reactor sizes, allowing us to customize our approach to product manufacturing based on your specific needs
- ISO 9001-2000 registered facilities that employ world-class quality improvement practices
- A staff of industry leaders backed by our 50+ years of experience

Celanese is a leading-edge developer of new technology for high-value applications of EVA copolymers. This innovation starts with knowledge of market requirements and is supported by the Celanese global R&D network. It is delivered with dedicated technical teams and facilities that coordinate with you on your specific application. At Celanese, we have a “will do” culture that focuses on being your best supplier.

CONTROLLED-RELEASE

Celanese can help customers develop novel, controlled-release products based on our ethylene vinyl acetate (EVA) polymers. We work with customers as a strategic partner and are committed to supporting controlled-release technology for which we offer a variety of value-added solutions.

WHEN PRECISION PERFORMANCE IS REQUIRED, COME TO US.

Celanese is at the leading edge of EVA polymer technology development and manufacturing in a broad range of markets.

MEDICAL

Our Ateva® Medical EVA-based polymers deliver the reliable performance required for medical applications. EVA polymers are a fast-growing alternative to PVC in medical applications because of migratory plasticizer and incineration issues. These polymers can help companies develop medical device products that are backed up by our high-touch service, in-depth technical expertise and comprehensive regulatory support.

Note: Any and all medical applications are only approved by Celanese EVA Polymers after a thorough application review with the customer.

THERMAL LAMINATION

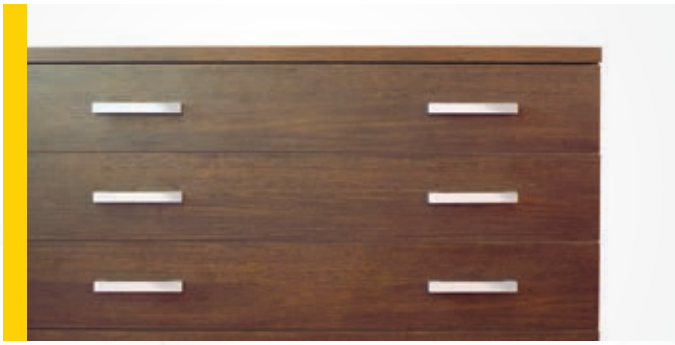
Celanese is a leader in developing high-quality, low gel and high line speed Thermal Lamination EVA resins for document production and aesthetic presentation of graphics. We are continuously developing new technology for adhesion to difficult substrates and specialty applications.

SOLAR CELLS

We manufacture EVA copolymers that are used in advanced encapsulants for photovoltaic cells. Our technology delivers excellent light transmission and low gels in the production of sheeting with long-lasting UV-stability and consistent dimensional stability.

HOT-MELT ADHESIVES

Celanese EVA copolymers with up to 40% vinyl acetate are widely used in the formulation of hot-melt adhesives for packaging, labeling, case and carton closing, lamination and book binding applications. Our products represent the technology of choice for environmental and cost considerations.



FLEXIBLE PACKAGING

Celanese low gel and low organoleptic EVA copolymers provide excellent sealing properties, improved optical properties and excellent adhesion for multi-layer food packaging, personal care films, decorative label films, greenhouse and agricultural films and a wide range of industrial packaging applications.

FOAM APPLICATIONS

Our EVA polymers help produce soft resilient foams for applications ranging from shoe midsoles and pipe insulation to high-end mattresses. These products can be tailored for cross-linked or open cell foams.

PLASTICS MOLDING

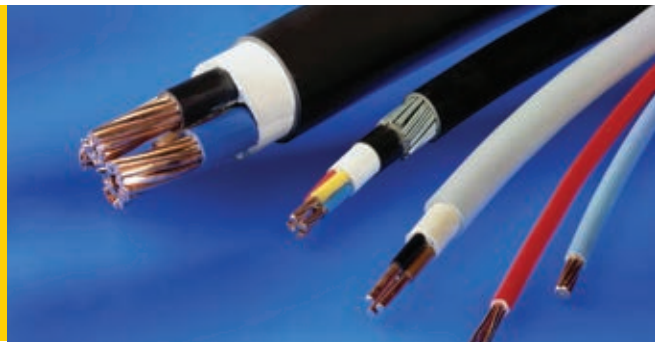
Celanese EVA copolymers are used in a broad array of molded plastic parts that require both exceptional flexibility and clarity. Our EVA polymers provide excellent ESCR for lotion tubes and low organoleptic properties for plastic cap liners.

AUTOMOTIVE APPLICATIONS

Celanese specialty EVA copolymers represent advanced technology for automotive, industrial and residential carpet applications and sound-dampening materials. Our materials allow manufacturers to lower production costs while achieving superior acoustic performance.

COMPOUNDING & MASTERBATCHES

Celanese compounding and masterbatch technology offers inherent advantages in applications ranging from concentrates, fragrances and functional additives to cap liners, wire and cable compounds. These include low-temperature processing for reduced polymer degradation during manufacturing and incorporation of a wide range and high concentration of additives and fillers.



GRADES

Ateva® standard grades are shown in the following charts. If you need a custom grade, please contact us or visit celanese-eva.com for more information.

ETHYLENE VINYL ACETATE COPOLYMERS

Ateva Grades	% VA	Melt Index (g/10 min.)	Adhesives	Automotive	Coating Lamination	Compounds	Flexible Packaging	Foam	Medical	Molding	Tubing	Photovoltaic
1020	9	2.0				●	●					
1030	9	1.5				●					●	
1081	9	1.1				●					●	
1081G	9	1.1							●*			
1070	9	2.8				●	●			●	●	
1075A	9	8			●					●		
1211A	12	.35				●						
1221	12	0.8				●					●	
1231	12	3					●				●	
1241	12	10			●	●	●					
1608	16.3	8.4			●					●	●	
1609	16.3	8.4				●						
1615	16	15		●								
1641	16	28		●								
1807A	18	0.7				●						
1807EG	18	0.7							●*			
1811	18	1.6				●						
1813	18	1.6					●					
1820	18	3	●	●	●		●					
1821A	18	3			●	●	●					
1850A	18	150	●		●							
1880A	18	500	●									
1941	19	30		●								
1943MS	19	30		●		●						
2020	20	20		●								
2604A	26	4	●	●			●			●		
2606A	26	6	●	●	●					●		
2803G	28	3							●*			
2810A	28	6	●	●	●					●		
2861A	28	6		●								

*USP class VI certified

ETHYLENE VINYL ACETATE COPOLYMERS

Ateva Grades	% VA	Melt Index (g/10 min.)	Adhesives	Automotive	Coating Lamination	Compounds	Flexible Packaging	Foam	Medical	Molding	Tubing	Photovoltaic
2820A	28	25	●	●		●						
2821A	28	25			●							
9020	28	28										●
2825A	28	43	●									
2830A	28	150	●									
2842A	28	400	●									
2842AC	28	400	●									
2850A	28	850	●									
3325A	33	43										●
3325AC	33	43	●									
9030	33	43										●
3342AC	33	400	●									
4030AC	40	55	●									

LOW DENSITY POLYETHYLENE (LDPE)

Grades	Density	Melt Index (g/10 min.)										
505	0.924	0.3					●			●		
7205	0.924	0.3					●				●	
525	0.922	0.8					●			●		
7110	0.922	0.8							●*			
220	0.921	2								●		
520	0.921	2					●					
7115	0.921	2							●*			
280	0.917	20	●							●		
190	0.914	70	●	●		●						
191A	0.913	160	●	●		●						
192	0.9125	200	●	●		●						
193	0.9115	400	●	●		●						

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EVA POLYMERS

celanese.com/eva-polymers

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