



CELANESE EVA & LDPE POLYMERS

UNIQUE SOLUTIONS DELIVERING VALUE



Transforming our technology into your success

At Celanese, our business starts with listening. Listening to needs of our customers, 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 technologies, like our Ateva® high-performance polymers, that not only meet the market requirements of today but those of and tomorrow as well. No matter what the future holds, you can count on us to be there with a tailored solution for your needs.

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 42% 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 9001-2015 registered facilities that employ world-class quality improvement practices
- Manufacturing excellence backed by 50+ years of experience

Celanese is a leading 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 not only your best supplier but also a partner that focuses on your success.

Controlled Release Solutions

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 devices 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



Extrusion Coating & 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 panels

We manufacture EVA copolymers that are used in advanced encapsulants for photovoltaic panels. 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 crosslinked 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.



Wire & Cable, 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.

CELANESE ATEVA® STANDARD GRADES - Ethylene Vinyl Acetate (EVA)

Grades	Properties			Typical applications										
	Vinyl Acetate VA (wt%)	Melt Index (g/10 min.)	Anti-oxidant	Adhesive	Auto-motive	Coating Lamination	Compounds	Flexible Packaging	Foam	Molding	Tubing	Photo-voltaic	Wire & Cable	Solvent Inks
1030	7	1.5						•			•			
1070	9	2.8						•	•	•	•		•	
1075A	9	8	•				•			•				
1075AX	9	8	•					•						
1081	9	1.1						•		•				
1212A	12	0.35	•				•						•	
1212AX	12	0.35	•					•						
1221	12	0.8				•		•		•				
1231	12	3						•	•				•	
1241	12	10				•	•	•	•					
1608	16.3	8.4					•			•	•			
1609	16.3	8.4				•		•						
1615	16	25				•		•						
1807A	18	0.7	•		•		•			•	•		•	
1807AX	18	0.7	•					•						
1807ASB	18	0.7	•					•						
1811	18	1.6						•					•	
1813	18	1.6					•							
1820	18	3		•	•		•		•					
1821A	18	3	•				•		•				•	
1821AX	18	3	•					•						
1850A	18	150	•	•	•		•							
1880A	18	500	•	•										
1941	19	30				•		•						
1943	19	30						•						
1943SB	19	30						•						
2019	20	20					•							
2020	20	20				•		•						
2604A	25	4.5	•	•	•			•	•				•	
2604AX	25	4.5	•			•		•						
2803A	28	3	•					•		•			•	
2803D	28	3								•				
2803ASB	28	3	•					•						
2810A	28	6	•	•	•			•					•	
2815	28	15									•			
2861A	28	6	•			•		•						
2820A	28	25	•	•			•							
2820AD	28	25	•							•				
2821A	28	25	•			•		•		•				
2822	28	25									•			
2825A	28	43	•	•	•									
2830A	28	150	•	•	•									
2842A	28	400	•	•										
2842AC	28	400	•	•										
2850A	28	850	•	•										
3325A	33	43	•	•							•			
3325AC	33	43	•	•										

CELANESE ATEVA® STANDARD GRADES - Ethylene Vinyl Acetate (EVA)

Grades	Properties			Typical applications										
	Vinyl Acetate VA (wt%)	Melt Index (g/10 min.)	Anti-oxidant	Adhesive	Auto-motive	Coating Lamination	Compounds	Flexible Packaging	Foam	Molding	Tubing	Photo-voltaic	Wire & Cable	Solvent Inks
3325ACD	33	43	•							•				
3325ACX	33	43	•										•	
3342AC	33	400	•	•										
4030AC	40	55	•	•					•					•
4030ACD	40	55	•							•				
4030ACX	40	55	•										•	
Z4003AC	40	3	•										•	
4200AC	41	80	•	•										•

CELANESE LDPE GRADES

Grades	Properties		Typical applications					
	Density	Melt Index (g/10 min.)	Adhesive	Automotive	Compounds	Flexible Packaging	Foam	Molding
190	0.914	70	•	•	•			
191A	0.913	160	•	•	•			
192	0.913	220	•	•	•			
193	0.912	400	•	•	•			
220	0.921	2			•		•	•
280	0.917	20	•		•			•
474	0.919	7					•	
525	0.922	0.8					•	•

CELANESE ATEVA® MEDICAL GRADES - Ethylene Vinyl Acetate and LDPE

Grades	Properties		Typical applications				
	Vinyl Acetate VA (wt%)	Melt Index (g/10 min.)	Film & Bags	Tubing	Injection Molding	Blow-Fill-Seal	Transdermal Films
7110	0	0.8	•			•	
1081G	9	1.1	•	•			
1807EG	18	0.7	•	•			
2803G	28	3	•	•	•		
2820AG	28	25			•		
4030ACG	40	55			•		•
4200ACG-CP	41	80					•



EVA POLYMERS
celanese.com

Contact information

Celanese EVA Polymers

222 W. Las Colinas Blvd.
Irving, TX 75039

All regions customer service

tel. +1 800 661 3663
orderseva@celanese.com

Manufacturing

Edmonton, Alberta Canada

All regions technology and product stewardship

8040 Dixie Highway
Florence, KY 41042

eva.techservice@celanese.com

Copyright ©2024 Celanese or its affiliates. All rights reserved.

This publication was printed based on Celanese's present state of knowledge, and Celanese undertakes no obligation to update it. Because conditions of product use are outside Celanese's control, Celanese makes no warranties, express or implied, and assumes no liability in connection with any use of this information. Nothing herein is intended as a license to operate under or a recommendation to infringe any patents. Celanese®, registered C-ball design and all other trademarks identified herein with ®, TM, SM, unless otherwise noted, are trademarks of Celanese or its affiliates. EVA-002-Ateva-Bro-EN-0624