Celanese
The chemistry inside innovation™

ATEVA® G EVA IS THE OPTIMIZED SOLUTION FOR PHOSPHITE-FREE, BIOCOMPATIBLE SINGLE-USE SYSTEMS (SUS)

VERSATILE MEDICAL EVA POLYMERS

Ateva® G medical grade ethylene vinyl acetate (EVA) and medical low density polyethylene (LDPE) resins from Celanese offer excellent solutions for multilayer, single-use containers for biopharmaceuticals and provide specific benefits for bioprocessing applications.

Both EVA and LDPE resins are phosphite-free and include FDA food compliant additives to eliminate negative impact on cell growth and metabolism. Residual monomers are strictly controlled and monitored, which further reduces impurities into SUS.

CELANESE VALUE DIFFERENTATION

- DMF support with USP Class VI and ISO 10993 compliance
- Process control for reliable, extractable and leachable performance along with specific controls for residual monomer levels
- Material change control for any specified or required additives
- Quality Assurance and Technical Application support

MEDICAL EVA AND LDPE PROPERTIES

- Inherently phthalate free
- Very low extractable / leachable
- Chemical inertness (LDPE)
- Puncture/tear resistant (EVA)
- Excellent low-temperature performance (EVA)
- Weldability (EVA)
- Gamma and e-beam compatible

Celanese offers a wide range of grades in different vinyl acetate percentage and melt index, which can suit various downstream processing effort. Customized grades can also be manufactured to meet your specific requirements.

Our quality assurance, long-term supply agreement, and change control management can give you confidence, performance and reliability when using our SUS- related products.

ATEVA® G EVA

Celanese
The chemistry inside innovation™

PRODUCT PROFILE

Property	7110 (LDPE)	1081G	1807EG	2803G/G-CP
Vinyl Acetate Content	0%	9%	18%	28%
Melt Index (g/10 min)	0.8	1.1	0.7	3.0
Density (kg/m^3)	922	933	940	952
Antioxidant	No	No	Yes	No
DSC Melt Temp (°C)	114	102	87	75
Vicat Softening (°C)	110	82	61	44
Tensile Stress at Break (MPa)	20	17	26	24
Elongation at Break	600%	700%	730%	770%
Hardness – Shore A	-	95	92	81
Hardness – Shore D	52	43	37	28
Flexural Modulus (MPa)	269	123	48	21

The critical packaging (CP) grades have minimal residual monomers and are the ideal materials for applications that require the highest purity.

All the above commercial medical grades can be manufactured to CP specification upon request.

To learn more, visit **healthcare.celanese.com**

CONTACT INFORMATION

Email: **healthcare@celanese.com**

Americas

8040 Dixie Highway, Florence, KY 41042 USA

Product Information Service

t: +1-800-833-4882 t: +1-859-372-3244

Customer Service

t: +1-800-526-4960 t: +1-859-372-3214

Europe

Am Unisys-Park 1, 65843 Sulzbach, Germany

Product Information Service

t: +(00)-800-86427-531 t: +49-(0)-69-45009-1011

Asia

4560 Jinke Road, Zhang Jiang Hi Tech Park,
Shanghai 201203 PRC

Customer Service

t: +86-21-3861-9266 t: +86-21-3861-9599

EVA-006-BioProcessingBags-SS-EN-r1-0119