

Castillo Grau & Asociados

ABOGADOS

Señores

DIVISION DE NUEVAS CREACIONES

SUPERINTENDENCIA DE INDUSTRIA Y COME

Bogotá, D.C.



Re.: Código 011-378-444

Expediente No. 15-290.876

Fase Nacional de Solicitud
de Patente PCT

H.B. FULLER COMPANY

En relación con el Expediente de la referencia y dando cumplimiento a la última providencia recaída sobre este asunto por medio del presente escrito me permito manifestarles lo siguiente:

1. De conformidad con precisas instrucciones de la sociedad solicitante se adjunta a este escrito un nuevo capítulo reivindicatorio revisado y corregido.
2. Se ha eliminado la reivindicación 1 la palabra portador, y la expresión aproximadamente.
3. Mi representada se encuentra en desacuerdo con la afirmación del Despacho acerca de las expresiones aceite, oligómeros de olefina, copolímero de etileno y otras similares no son concisas, pues son clases de compuestos químicos y no funcionalidades o actividades,
4. El índice de fusión es una propiedad intrínseca del polímero (no es un resultado a alcanzar) de la misma manera que lo es el contenido de comonomero o viscosidad. Más aún, es una de las formas más comunes en las cuales se caracteriza este tipo de polímeros.
Para este efecto se adjunta un brochure de Celanese para mayor información.
5. Mi representada afirma que el contenido de la reivindicación 7 es diferente al contenido de la reivindicación 1, pues aquella se encuentra dirigida a un material sólido a temperatura ambiente. Este material sólido a temperatura ambiente.

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6. Este material sólido es: a formado luego que le composición líquida a temperatura ambiente es calentada y mezclada.

En esta manera es diferente a la reivindicación 1.

Renuncio al término faltante de traslado, y les solicito ordenar la publicación del extracto.

De Ustedes Atentamente,



LUIS FELIPE CASTILLO GIBSONE

T.P. No. 68.995 del C.S.J.

REIVINDICACIONES

1. Una composición que comprende:

al menos una de una emulsión, una dispersión y una suspensión que comprende,

un líquido seleccionado del grupo que consiste en aceite, oligómeros de olefina, polibuteno, poliisopreno, y combinaciones de estos, y

una partícula sólida que comprende un copolímero de etileno, en donde el copolímero de etileno tiene un índice de fusión probado por la norma

ASTM D 1238 (190 °C/2,16 kg) no mayor a 2.

2. La composición de conformidad con la reivindicación 1, en donde el

copolímero de etileno tiene un índice de fusión probado por la norma ASTM D 1238 (190 °C/2,16 kg) no mayor a 1.

3. La composición de conformidad con la reivindicación 1, en donde el

copolímero de etileno es acetato de etilenvinilo.

4. La composición de conformidad con la reivindicación 3, en donde el

copolímero de etileno tiene un contenido de acetato de vinilo mayor que 10 % en peso.

5. La composición de conformidad con la reivindicación 1, en donde la

composición es fluida a temperatura ambiente.

6. La composición de conformidad con la reivindicación 1, en donde la

composición tiene una viscosidad fundida entre aproximadamente 11.000 y 25.000 cps a 176,7 °C (350 °F).

7. Un material sólido fundido formado a partir de la composición de conformidad

con la reivindicación 1.

8. Una construcción para envasado, la construcción comprende:

un sustrato; y

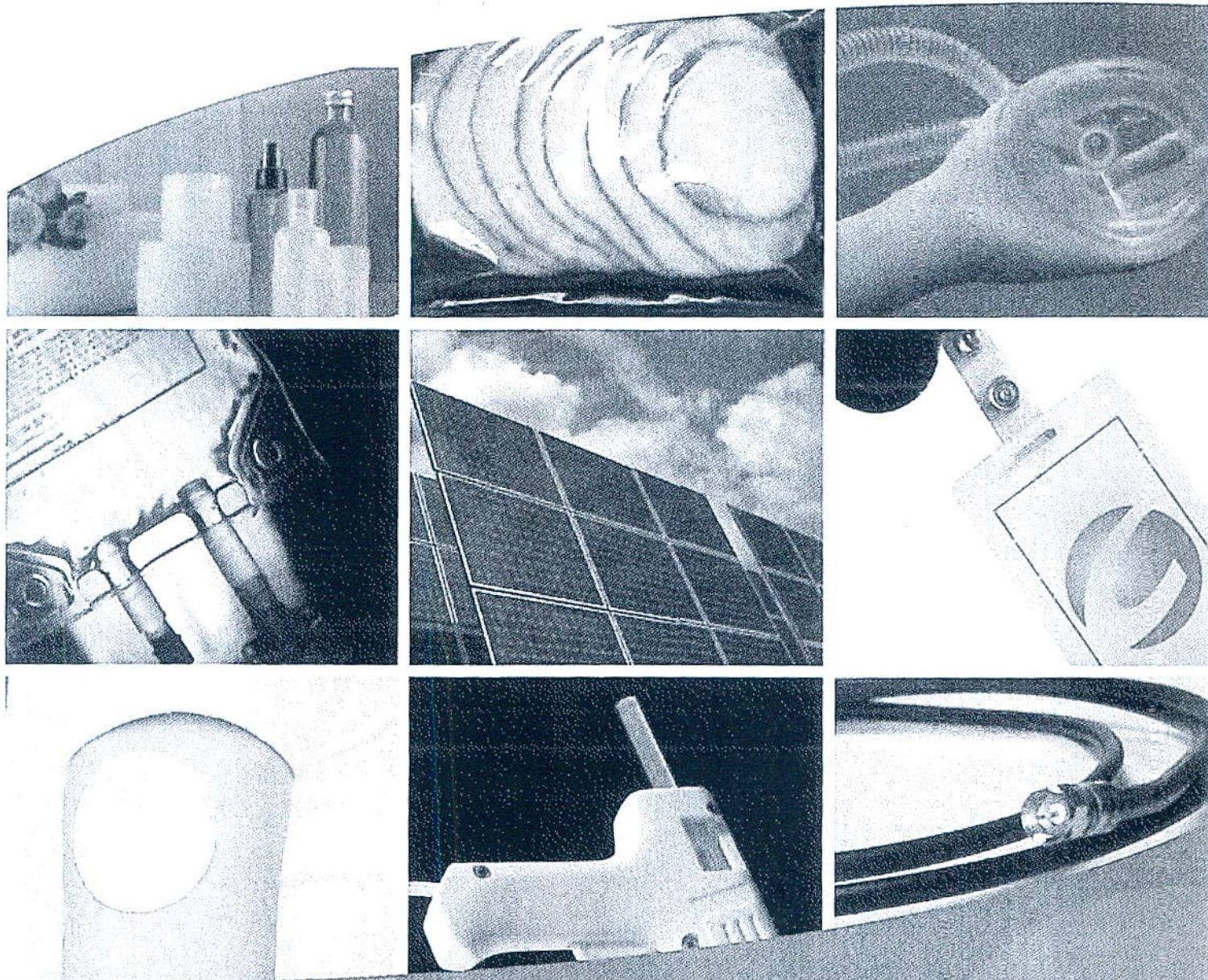
el material sólido fundido de la reivindicación 7.

9. La construcción para envasado de conformidad con la reivindicación 8, en donde la construcción se selecciona de un grupo que consiste en un envase, una caja de cartón o una bandeja.

10. La construcción para envasado de conformidad con la reivindicación 9, en donde la construcción para envasado se almacena en un refrigerador o un congelador.



Helping you *Create the Future* in Resin Technology



Unique Solutions Delivering Value

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Transforming our technology into *your* success.

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

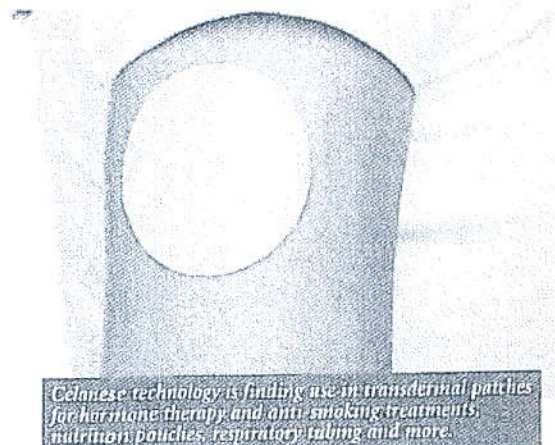
We listen because we want to be your preferred development partner as you look to create polymer technology to meet the market requirements of today *and* tomorrow. With our industry leading ability to develop and manufacture EVA copolymers, we want to create unique solutions for your processes and products – faster and better than any other supplier in our market. At Celanese, we are the industry leaders when it comes to creating custom-tailored solutions to plastic resin applications and our goal is to transform our resins into success for you *and* your customers.

Ateva® – high performance technology

Celanese EVA Performance Polymers manufactures a full line of high performance ethylene vinyl acetate (EVA) copolymers. Our EVA copolymers, under the Ateva brand name – up to 40% vinyl acetate content and broad melt index (MI) range – are recognized around the world for their quality and versatility.

VitalDose™ – EVA polymers

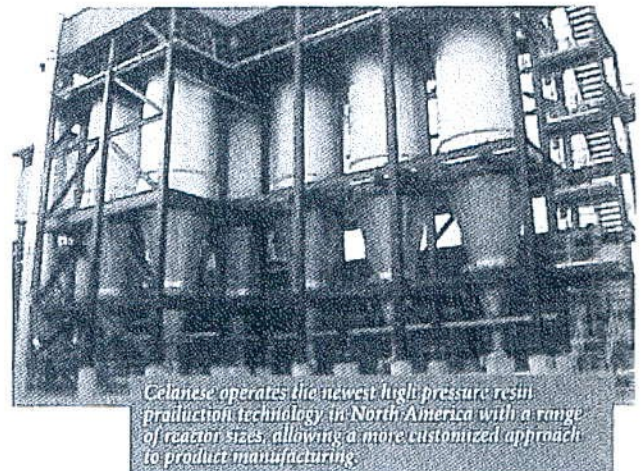
VitalDose EVA excipients are used for controlled-release drugs, medical implants and combination devices. VitalDose EVA copolymers may be used alone or in combination with other excipients and/or additives to achieve the desired release-rate profile. Visit www.VitalDose.com for more information on these controlled-release excipients.



Celanese technology is finding use in transdermal patches for hormone therapy and anti-smoking treatments, nutrition patches, respiratory taping and more.

State-of-the-art manufacturing

With more than 50 years of experience at our Edmonton, Canada facility today, Celanese operates the newest high pressure resin production technology in North America in equipment specifically designed for EVA manufacturing. Our facility houses a range of reactor sizes, allowing us to develop a more customized approach to product manufacturing – giving you a tailored solution and the market more specialized products. Our ISO 9001-2000 registered facilities employ world-class quality improvement practices and are staffed by some of the most experienced people in the industry.



"You" focused innovation

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 EVA Performance Polymers, we have a 'will do' culture that focuses on being your best supplier.



When precision performance is required...come to us.

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

Medical & pharmaceutical

EVA performance polymers are a fast-growing alternative to PVC in medical and pharmaceutical applications because of migratory plasticizer and incineration issues. Today, Celanese is the leading supplier in the corrugated anesthetic tubing market and is technology development leader in other medical & pharmaceutical markets. We have expertise in producing gel- and contaminant-free polymers. Our medical grades are independently tested and verified to USP Class VI Standards and we support specific applications requiring FDA approval.

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

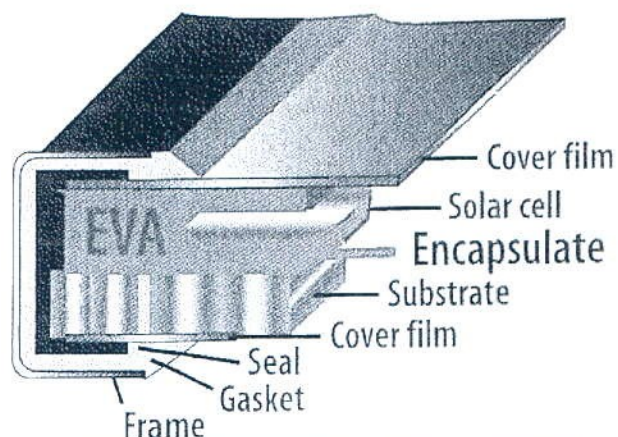


Thermal lamination

Celanese EVA Performance Polymers has been a leader in developing high quality gel-free and high line speed EVA resins for use in materials for document protection and aesthetic presentation of graphics. We are continuously developing new technology for adhesion to difficult substrates and specialty applications.

Solar cells

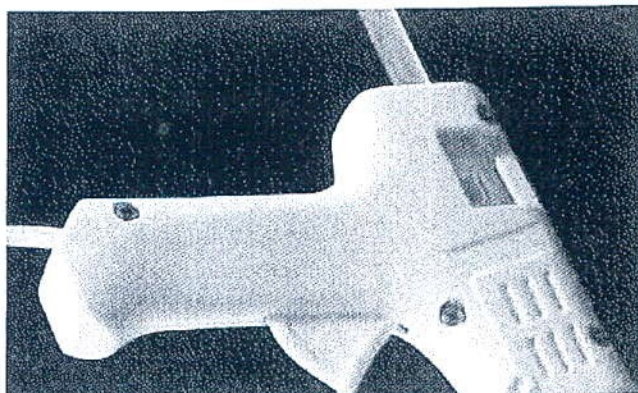
In the emerging market for solar energy, we manufacture EVA copolymers that are used in advanced encapsulants for photovoltaic cells. Our technology delivers excellent light transmission and low gels in the production of sheeting with long-lasting UV-stability and consistent dimensional stability.



For solar 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 & carton closing, lamination and book binding applications. Our products represent the technology of choice for environmental and cost considerations.

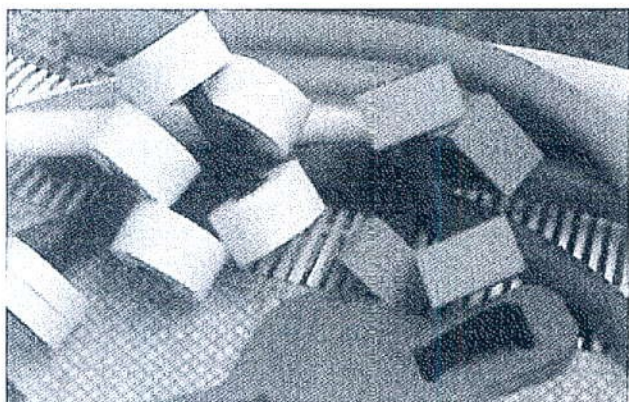


Flexible packaging

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

Foam applications

Our EVA Performance Polymers help produce soft resilient foams for applications ranging from shoe mid soles and pipe insulation to high-end mattresses. These products can be tailored for crosslinked or open cell foams.

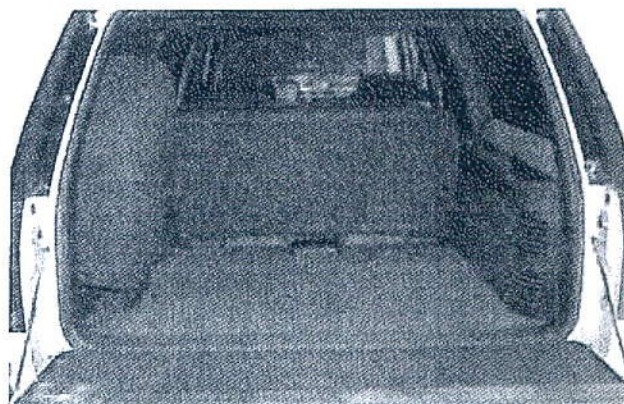


Plastics molding

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

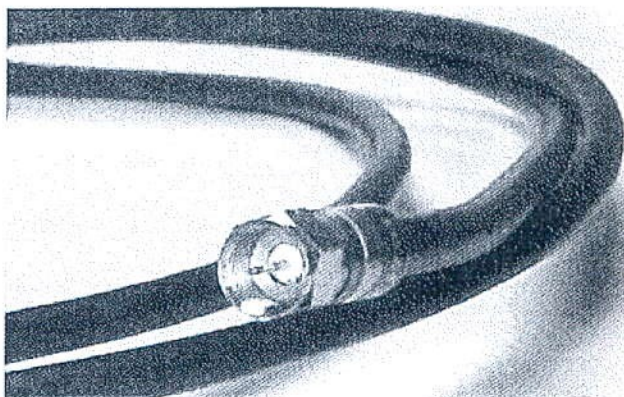
Automotive applications

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 and wire and cable compounds. These include low temperature processability to prevent polymer degradation during manufacturing, incorporation of a wide range of additives due to broad polarity and very high additive loading levels due to excellent filler acceptance.



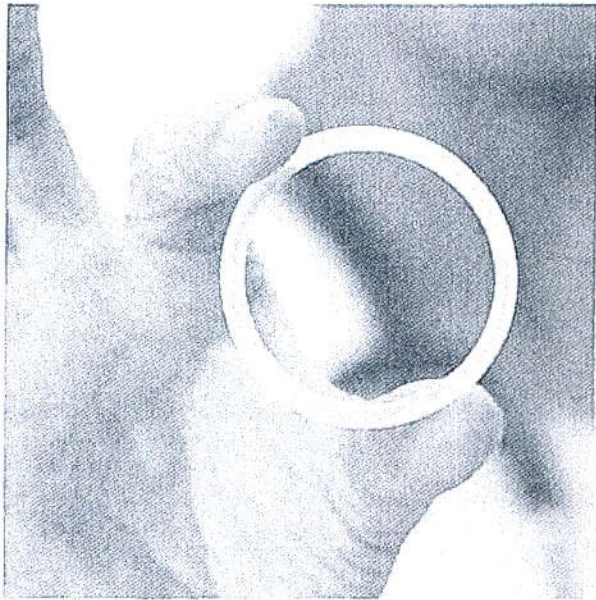
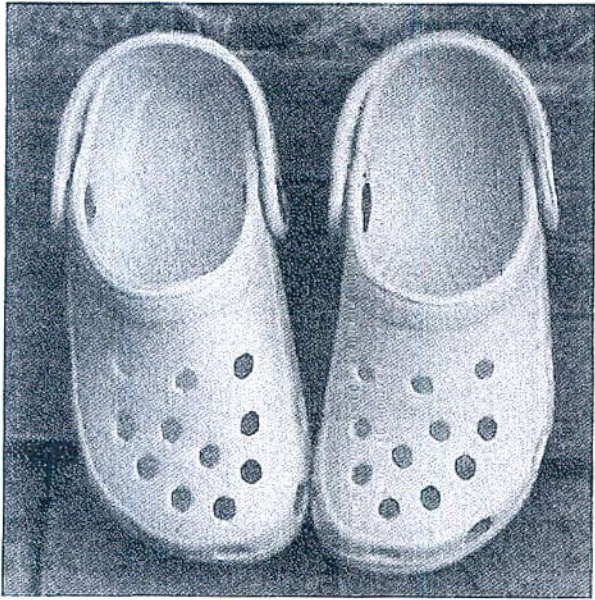
Unique Solutions Delivering Value

Ateva Grades (Ethylene Vinyl Acetate Copolymers)

ATEVA Grades	% VA	Melt Index (g/10 min.)	Applications									
			Adhesives	Automotive	Coating Lamination	Compounds	Flexible Packaging	Foam	Medical	Molding	Tubing	Photovoltaic
1081	9	1.1				•				•		
1081G	9	1.1						•				
1070	9	2.8				•	•		•	•		
1075A	9	8			•				•			
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		•								
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		•								
2005A	20	6		•								
2030	20	15			•				•			
2020	20	20		•								
2604A	26	4	•	•			•		•			
2803G	28	3						•				
2810A	28	6	•	•	•				•			
2861A	28	6		•								

Ateva Grades (Ethylene Vinyl Acetate Copolymers)
(continued...)

ATEVA Grades	% VA	Melt Index (g/10 min.)	Applications									
			Adhesives	Automotive	Coating Lamination	Compounds	Flexible Packaging	Foam	Medical	Molding	Tubing	Photovoltaic
2820A	28	25	•	•		•						
2821A	28	25			•							
9020	28	25									•	
9021A	28	25									•	
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	•									



Celanese EVA Performance Polymers

A nimble partner, backed by a global leader.

At Celanese EVA Performance Polymers, we are focused on being your best supplier. We use our market knowledge, our applications expertise and our manufacturing excellence to create unique solutions that deliver value to your business – one customer at a time.

Our innovation and manufacturing excellence are supported by the global Celanese business. As a global leader in the chemicals industry, Celanese Corporation makes products essential to everyday living. Our products, found in consumer and industrial applications, are manufactured in North America, Europe and Asia. With 2011 sales approaching \$6.8 billion and more than 7,600 people worldwide, Celanese is known for operational excellence and delivering value to customers with innovations and best-in-class technologies.

Unique Solutions Delivering Value

Celanese Headquarters

1601 W. LBJ Freeway
Dallas, TX 75234
1-972-443-4000

Customer Service:

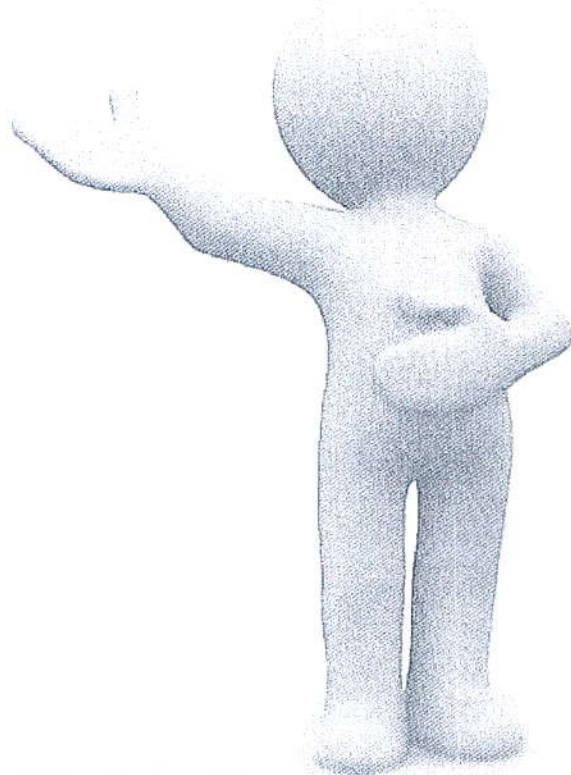
Phone: 1-800-661-3663
Fax: 1-972-443-8597
Email: orderseva@celanese.com

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Edmonton, Alberta T5J 2K1 Canada

Technology and Product Stewardship:

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Email: eva.techservice@celanese.com



www.Celanese-EVA.com
www.ATEVA.com

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