

**ADMEX™**  
polymeric plasticizers

**EASTMAN**

# Long-lasting performance you can trust

*Dependable polymeric plasticizers  
for durable flexible PVC applications*



## Molecularly differentiated

Admex™ polymeric plasticizers are an Eastman family of solutions that are ideal for flexible PVC applications demanding high quality properties. Admex plasticizers enable flexible PVC to compete with rubber and thermoplastic elastomers in a variety of applications. They are used in dry blends, plastisols, and organosols and exhibit the molecular weight necessary for vinyl products to withstand long-term outdoor exposure, pressure sensitive adhesives, elevated temperatures, and prolonged contact with solvents. They also offer aesthetic properties such as low odor and light color for decorative applications such as coatings, graphic arts, and more.

Admex plasticizers are used in worldwide markets, including:

- Tubing and hoses
- Appliance gaskets
- Electrical tape and labels (PSA)
- Decals, graphics, graphic arts, and inks
- Wire and cable
- Foam structure
- Food packaging
- Automotive interiors and plastisols
- Films and coatings
- Fabric and furniture upholstery
- Flexible PVC
- Polyurethane
- PVAc water-based adhesives
- PVC plastisols



## Which Admex polymeric plasticizer is right for you?

End use for polymeric plasticizer markets	Admex 334F	Admex 523	Admex 525	Admex 760	Admex 770	Admex 6187	Admex 6995
Automotive interiors					○	●	
Automotive plastisols						○	●
Electrical tape and labels (PSA)						●	●
Exterior graphics and decals			○	●	●		○
Films and coatings			○	●		○	●
Foam structure		●	○				
Food packaging	●						
Gaskets (e.g., appliance)	●					●	
Polyurethane		○					
PVAc water-based adhesives			●				
Tubing and hoses	●					●	
Upholstery and heavy-duty products			●			○	
Wire and cable						●	●

● Recommended

○ Suitable in some functions

## ***The Admex family of products***

### **Admex™ 334F polymeric plasticizer**

This polymeric adipate has clearances for food contact applications. Admex 334F, with a medium to high molecular weight, has an extremely low odor and superior extraction and migration resistance perfect for these applications.

### **Admex™ 523 polymeric plasticizer**

Used in applications such as metal coatings, foam, and earplugs, Admex 523 is a low-molecular-weight polymeric plasticizer that is characterized by a mild ester odor and light color. Admex 523 has outstanding processability for PVC compositions, and it delivers high gel strength, low fusion temperatures, and excellent cell structure.

### **Admex™ 525 polymeric plasticizer**

Admex 525 is the plasticizer to use in decorative coatings, labels, upholstery, and heavy-duty service products. As a mixed dibasic acid polymeric, this product is defined by its low molecular weight, mild ester odor, light color, and low viscosity.

### **Admex™ 760 polymeric plasticizer**

The light color and mild ester odor of Admex 760 make it ideal for use in products such as print rollers, films, and decals. This product is an ultrahigh-molecular-weight polymeric adipate that displays maximum resistance to extraction, migration, and volatility.

### **Admex™ 770 polymeric plasticizer**

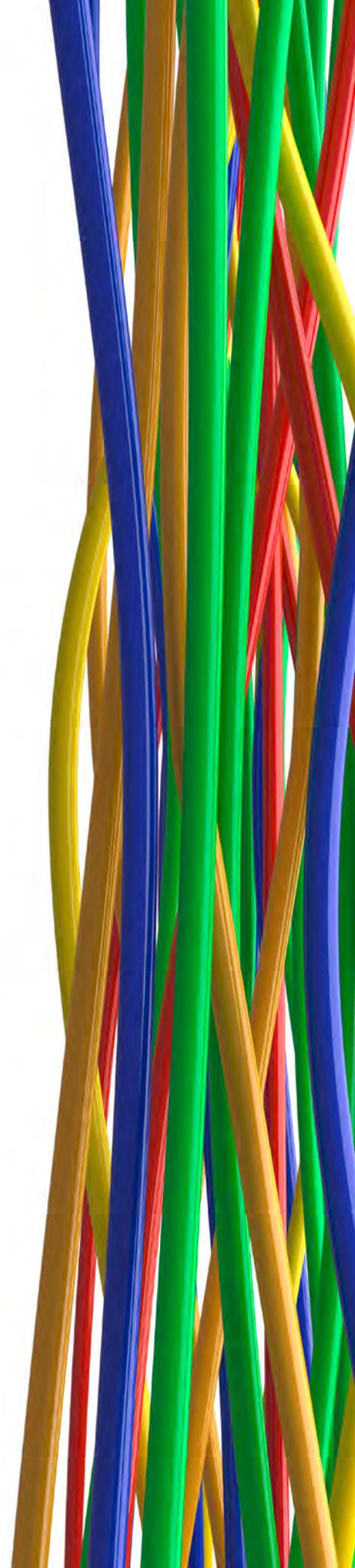
With exceptional extraction resistance and weatherability, Admex 770 is perfect for automotive instrument panels as well as exterior graphics such as decorative decals. It has medium molecular weight, low migration into adhesives, and extremely low volatility. This mixed dibasic acid polymeric is also compatible with nitrile rubber.

### **Admex™ 6187 polymeric plasticizer**

With characteristics like medium to high molecular weight, mild ester odor, light color, resistance to oil, and solvent extraction, Admex 6187 is ideal for gasoline hoses and tubing, oil-resistant electrical cable insulation, industrial boots, gloves, and aprons. Its high permanence and washability also make Admex 6187 an excellent choice for wall and shelf coverings.

### **Admex™ 6995 polymeric plasticizer**

Admex 6995 is a polymeric adipate characterized by its medium molecular weight, light color, and mild ester odor. With its permanence and toughness, Admex 6995 is most effective in highly filled automotive plastisols but is also well suited for other applications, including adhesives, coated fabrics, exterior graphic arts and decals, wire insulation, and paper coatings.



## Admex properties

### Performance of PVC films plasticized with Admex products

Percentage weight change by: (+) loss; (-) gain

Product name	Dynamic viscosity 25°C (cP)	Typical M <sub>w</sub>	Volatilization	Cotton seed oil	Hexane	1% soapy water
Admex 334F	3,000–4,200	5,400	0.35	2.37	-0.48	-0.55
Admex 523	5,500–6,500	1,000	0.95	0.97	-2.40	-1.34
Admex 525	325–425	1,400	0.65	4.82	5.45	0.61
Admex 760	40,000–60,000	12,000	0.20	0.45	-0.64	-0.60
Admex 770	4,000–5,500	4,800	0.56	1.76	-0.81	-0.46
Admex 6187	4,800–6,400	5,300	0.27	1.69	-0.99	-0.77
Admex 6995	1,200–1,600	3,200	0.63	3.07	0.80	-1.22

Formulation:	100 oxy 240F PVC resin 50 plasticizer 5 epoxidized oil 0.5 Ca-Zn stearates	Volatility and the resistance to extraction of compressed discs (Ø = 2 in. × 15 mil) were tested according to ASTM D1203 and ASTM D1239.
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## Proven service and expertise

For generations, Eastman has manufactured plasticizers for a wide range of applications in the flexible PVC market. And because no two applications are exactly the same, we provide more than materials; we provide material expertise. Together, let's work on the solution that's right for you.

For more information and support,  
contact your Eastman representative or  
visit [EastmanPlasticizers.com/Admex](http://EastmanPlasticizers.com/Admex).

# EASTMAN

The results of insight™

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