

# Cost-savings comparison

## Eastman Spectar™ copolyester vs. acrylic

### Achieve total systems cost savings with Eastman Spectar™ copolyester

At first glance, when comparing only the sheet price of acrylic vs. polyethylene terephthalate glycol (PETG) to create a store fixture, it appears the low-cost option would be acrylic. However, when you take into consideration the cost of fabricating, packaging, shipping, and breakage, the actual low-cost option is sheet made from Spectar copolyester.

Spectar is up to 10 times tougher than acrylic and impact-modified acrylic. This toughness translates to less breakage during manufacturing, shipping, and installation. But it also allows for downgauging, retaining its durability with less material; and that results in a significant reduction in manufacturing and shipping costs.

Additionally, Spectar is an amorphous polymer with a wide thermoforming window, allowing for deep draws while still staying crystal clear. This leads to an easier manufacturing process and less scrap parts during fabrication.

### The advantages of sheet made from Spectar:

- Outstanding toughness allows downgauging, resulting in significant cost savings.
- Impact resistance reduces returns due to breakage during shipping and installation.
- Quality thermoformability produces depth, definition, and uniform material distribution.
- Superior chemical resistance allows parts to be cleaned without hazing and discoloration.
- Best-in-class durability withstands customer abuse, limiting retailers' loss of sales due to broken, nonfunctioning displays.
- Flexibility allows unique shapes not possible with glass and acrylic.
- Optically clear, colored, or "green edge" processing gives the look of glass.

### Material comparisons for the in-store fixtures and point-of-purchase displays

	Eastman Spectar™ copolyester	IMA	Acrylic	PC	PS	PVC
Impact strength	●	○	○	●	○	○
See-through clarity	●	●	●	●	●	○
Edge clarity	○	○	●	○	○	○
Heat bending	●	○	○	○	○	●
Flexibility	●	●	○	●	○	○
Thermoforming (3D designs)	●	○	○	○	○	○
Chemical resistance	●	○	○	○	○	●
Minor scratch removal	●	○	○	○	○	○
Downgauging possibilities	●	○	○	●	○	●

Key: ● Best ○ Good ○ Average ○ Fair

For more information, contact your Eastman representative or visit [www.Eastman.com/Spectar](http://www.Eastman.com/Spectar).



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**Eastman Chemical Company  
Corporate Headquarters**

P.O. Box 431  
Kingsport, TN 37662-5280 U.S.A.

Telephone:  
U.S.A. and Canada, 800-EASTMAN (800-327-8626)  
Other Locations, (1) 423-229-2000  
Fax: (1) 423-229-1193

**Eastman Chemical Latin America**

9155 South Dadeland Blvd.  
Suite 1116  
Miami, FL 33156 U.S.A.

Telephone: (1) 305-671-2800  
Fax: (1) 305-671-2805

**Eastman Chemical B.V.**

Fascinatio Boulevard 602-614  
2909 VA Capelle aan den IJssel  
The Netherlands

Telephone: (31) 10 2402 111  
Fax: (31) 10 2402 100

**Eastman (Shanghai) Chemical  
Commercial Company, Ltd. Jingan Branch**

1206, CITIC Square  
No. 1168 Nanjing Road (W)  
Shanghai 200041, P.R. China

Telephone: (86) 21 6120-8700  
Fax: (86) 21 5213-5255

**Eastman Chemical Japan Ltd.**

MetLife Aoyama Building 5F  
2-11-16 Minami Aoyama  
Minato-ku, Tokyo 107-0062 Japan

Telephone: (81) 3-3475-9510  
Fax: (81) 3-3475-9515

**Eastman Chemical Asia Pacific Pte. Ltd.**

#05-04 Winsland House  
3 Killiney Road  
Singapore 239519

Telephone: (65) 6831-3100  
Fax: (65) 6732-4930

[www.eastman.com](http://www.eastman.com)

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