

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.



The results of insight™

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