

# Eastman Spectar™ copolyester

## Inspired design. Effortless fabrication.

Eastman Spectar™ copolyester is a plastic resin specifically designed for sheet applications. Its durability and clarity prove Spectar to be the ideal material solution for the retail and architectural markets.

### Imagine the possibilities

Sheet extruded from Spectar copolyester offers a combination of features and benefits you won't find with other materials.

- Outstanding toughness
- Impact resistance
- Flexibility for innovative designs
- Chemical resistance
- Sparkling clarity
- Best-in-class thermoforming characteristics
- Easy fabrication
- Easy to print and decorate
- Odor free
- GREENGUARD Indoor Air Quality Certified®
- Cradle to Cradle Certified™ Bronze
- FDA approved for food contact applications

### Fabricating and forming

Sheet made of Spectar is uniquely suited to a variety of fabricating and forming operations, which translates into major labor, energy, and capital savings.

- Thermoforming
- Sawing
- Welding
- Cutting
- Routing
- Drilling
- Bending
- Polishing
- Mechanical fastening
- Bonding

### Decorating

There are literally hundreds of commercially available inks and paints that can be used to decorate sheet made from Spectar.

- Printing
- Spray painting
- Spray masking
- Hot stamping
- Vinyl decorating

### Markets

#### Retail

The sparkling clarity and durability of Spectar make it ideal for showcasing products in a harsh retail environment. And the design possibilities are limited only by your imagination.

- Displays and fixtures
- Indoor signage
- Point of purchase (POP)
- Shelving systems

#### Architecture

Spectar can be made into highly durable, highly appealing installations that can withstand the wear and tear of heavy use. Spectar can help you build something beautiful, sustainable, and truly remarkable, including:

- Lighting diffusers—commercial and industrial
- Skylights
- Decorative walls and partitions
- Wall protection, handrails, and corner guards
- Decorative laminates



## Materials comparison chart

| Criteria                    | Eastman Spectar™ copolyester | IMA | Acrylic | PC | PS | PVC |
|-----------------------------|------------------------------|-----|---------|----|----|-----|
| GREENGUARD certification    | ✓                            | ✗   | ✗       | ✗  | ✗  | ✗   |
| Impact strength             | ●                            | ○   | ○       | ●  | ○  | ○   |
| Edge clarity                | ○                            | ○   | ○       | ○  | ○  | ○   |
| See-through clarity         | ○                            | ○   | ○       | ○  | ○  | ○   |
| Heat bending                | ○                            | ○   | ○       | ○  | ○  | ○   |
| Flexibility                 | ○                            | ○   | ○       | ○  | ○  | ○   |
| Thermoforming               | ●                            | ○   | ○       | ○  | ○  | ○   |
| Chemical resistance         | ○                            | ○   | ○       | ○  | ○  | ○   |
| Minor scratch removal       | ○                            | ○   | ○       | ○  | ○  | ○   |
| Downgauging possibilities   | ○                            | ○   | ○       | ○  | ○  | ○   |
| Die cutting                 | ○                            | ○   | ○       | ○  | ○  | ○   |
| Machining                   | ○                            | ○   | ○       | ○  | ○  | ○   |
| Ease of bonding             | ○                            | ○   | ○       | ○  | ○  | ○   |
| Flammability                | ○                            | ○   | ○       | ○  | ○  | ○   |
| Surface hardness            | ○                            | ○   | ○       | ○  | ○  | ○   |
| Low odor during fabrication | ●                            | ○   | ○       | ●  | ○  | ●   |

✓ = Yes

✗ = No

● = Best

○ = Good

○ = Average

○ = Fair

Eastman SPECTAR™  
copolyester

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The results of insight™

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