



*Transform your thinking.
Eastman Tritan™ copolyester.*

A New-generation Copolyester.

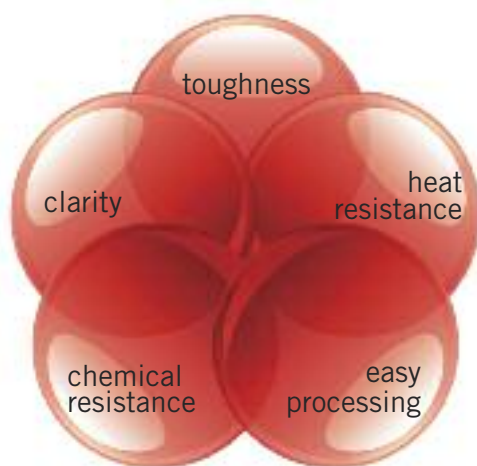
EASTMAN

Something new is taking shape.

Eastman Tritan™. A new-generation copolyester.

Tritan copolyester will surprise you. It's a significant and welcome breakthrough that helps you differentiate your products through design and performance.

- *Tritan* retains the versatility of copolyesters. But it also can offer unexpected advantages, including higher temperature resistance, easier processing and higher impact resistance.
- *Tritan* reshapes your expectations of polymers. The unique properties of *Tritan* deliver performance that is often superior to other clear thermoplastics, such as polycarbonate (PC). Areas of potential advantage include ease of processing and lower levels of residual stress, as well as clarity, toughness and chemical resistance of the finished products.



This balance of performance and processability helps *Tritan* create exciting opportunities to differentiate your products through lasting aesthetic appeal and value.





Eastman Tritan™ copolyester
transforms your market potential
without transforming your operation.

Tritan can open a whole new world of design freedom and product durability. But it also is a natural fit for many of your existing processes — often with no capital investment or increased system costs.

- In injection molding applications, *Tritan* is often a drop-in replacement for PC.
- In thermoforming applications, sheet made from *Tritan* can easily replace PC in existing operations, while offering the potential for easier processing, shorter cycle times and energy savings.

Discover *Tritan*. Watch something new take shape. Open your mind to a practical new way to produce innovative, creative products — and create a higher level of customer satisfaction. How will *Tritan* transform your thinking?

A seal is shown in profile, balancing a white ball on its nose. The ball has the text "EASTMAN TRITAN" and a small logo on it. Above the seal, a spray of water is directed downwards, creating a misty effect. The seal is dark brown and appears to be in a dynamic, balancing pose.

Discover a
unique balance
of processing
& performance
properties.

Eastman Tritan™ copolyester balances the properties of easy processing, clarity, toughness, and heat and chemical resistance — creating compelling value.

In many applications, these combined properties can offer advantages over other materials, including PC.

CLARITY — balancing lively aesthetics and long-lived performance.

In many molded and extruded applications, products made from *Tritan* demonstrate:

- A high level of light transmittance
- A low level of haze

These features clearly translate into lasting benefits for transparent products. But the resulting high gloss also contributes to a more vibrant appearance in colored or tinted products.

GLASS TRANSITION TEMPERATURE — balancing heat resistance and easy processing.

Tritan has a higher glass transition temperature (T_g) than traditional copolyesters, which can provide greater ability to withstand higher temperatures in dishwashers and other environments.

Tritan is made from a unique and innovative chemistry, which can provide:

- Reduced molding cycle time
- No separate annealing step required to eliminate residual stress
- Reduced sheet-thermoforming cycle time
- No need to pre-dry sheet in sign applications
- More options for pre-form decoration with vinyls, screen inks, paints and coatings
- Lower T_g can mean less energy use

TOUGHNESS — balancing high visual impact with enduring impact resistance.

Tritan is a tough and durable material that can maintain functional and aesthetic integrity over a long product life. *Tritan* compares favorably with PC in notched Izod impact tests. At ¼" thickness, PC demonstrates low energy absorption and brittle failure, while *Tritan* continues to demonstrate high energy absorption (exceeding 15 ft-lb/in.) and ductile behavior.

CHEMICAL RESISTANCE and HYDROLYTIC STABILITY — tipping the balance in your favor.

Tritan offers a unique balance of properties that results in greater dishwasher durability. Because parts made from *Tritan* combine greater hydrolytic stability and lower levels of residual stress, they can stand up to many chemically harsh environments without crazing, cracking or hazing.

- Parts molded from PC often require more energy.
- Sheets extruded from PC can require pre-drying before thermoforming, consuming additional time and energy.
- *Tritan* provides an optimal balance of fast cycle time and low residual stress.

With fewer concerns about residual stress, designers have greater creative flexibility and cycle times can be reduced without fear of stress cracking and product failure.

Lasting value emerges from longer product life and lasting aesthetic appeal. The performance of *Tritan* has been validated in customer-tested situations. It consistently delivers the balance of properties, performance and processability that help customers create differentiated products and compelling value. **What will you create with *Tritan*?**

A woman with dark hair is shown in profile, looking upwards with an open mouth, as if in awe or excitement. Above her, a large number of small, multi-colored cubes (white, grey, red, blue) are falling from the top of the frame, creating a sense of motion and abundance. The background is plain white.

From innovation blooms innovative design.

Eastman Tritan™ copolyester can empower designers and engineers with a new level of design freedom. It lets you open your mind to shapes, colors, dimensions and functional integrity that weren't possible — or practical — until now. *Tritan* and an open mind are sure to open new market opportunities for you.

Your challenge: Separate your products from the rest of the bunch.

Tritan is a powerful tool for enhancing existing products — or creating dramatic new solutions. Clarity, toughness, chemical resistance, easy processing, higher heat resistance and much more all help you produce superior products with lasting value.

Whatever shape your innovations take in the future, you can count on Eastman Chemical Company, a world leader in polymer technology, to help apply *Tritan* in the most creative and effective ways.



To see recent product applications and the latest regulatory approvals for *Tritan*, visit www.eastman.com/tritan or call (1) 888-321-1021 (U.S.), (31) 10 2402 888 (Europe).

How will you use *Tritan* to transform the future?

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