

Difrax maximizes the design flexibility and inherent toughness of Eastman Tritan™ copolyester

Award-winning Netherlands-based infant care product manufacturer, Difrax, uses the new-generation Eastman Tritan™ copolyester to enhance the redesigned ergonomic S-bottle. Tritan balances the properties of clarity, toughness, and heat and chemical resistance, and is manufactured without bisphenol A (BPA).

Highest-quality, healthy solution

In response to consumers' concerns regarding BPA-free infant care products and increased awareness of product safety in Europe, the Middle East, and Asia, Difrax switched production of the S-bottle from polycarbonate (PC) to Eastman Tritan™ copolyester. In addition, Difrax was able to save time and reduce costs by processing the Tritan bottles using existing PC molds with few adjustments or tooling changes.

"By specifying Eastman Tritan™ copolyester for the S-bottle, we had the opportunity to achieve functional design improvements while enhancing the product's performance," said Jonathan van Veelen, purchasing and project manager, Difrax. "We worked closely with pediatricians and breast-feeding specialists to ensure the design modifications and addition of the anticolic venting valve provide the highest-quality, healthy solution to our customers' infant care needs."

In mid to late 2011, Difrax plans to introduce soothers, soother savers, cups, and crown teething rings made with Eastman Tritan™ copolyester to further enhance its line of BPA-free infant care products.

Eastman Tritan™ copolyester allows complex yet functional design improvements while enhancing the S-bottle's performance.

Tritan enables complex bottle design

Utilizing the design flexibility of Tritan, Difrax achieved the complex bottle design that permits a more relaxed, natural drinking position than traditional cylindrical bottles and enables increased eye contact between the baby and caregivers. The copolyester's toughness also allows the S-bottle to maintain excellent clarity after repeated exposure to high heat and chemical detergents in dishwashers.

"Working with Eastman to select the appropriate material while receiving hands-on technical assistance allowed us to create a product that truly differentiates Difrax from its competition," added van Veelen.

For more information on Eastman Tritan™ copolyester, visit www.eastman.com/tritan.





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