



Product Bulletin
Specialty Engineered Materials



Edgetek™

High Performance Compounds

Made with BPA-free Eastman Tritan™ Copolyester

Product Description

PolyOne's Edgetek™ engineered thermoplastic compounds portfolio, which covers a broad range of standard and custom formulated high-performance materials, now includes compounds based on Eastman Tritan™ copolyester, thanks to an exclusive agreement between PolyOne and Eastman to compound this material. Like all Edgetek compounds based on select base resins, the Tritan™ based products feature reinforcing additives that modify and expand the performance of the copolyester.



Key Characteristics

Edgetek compounds made with Eastman Tritan™ copolyesters offer a wide range of properties and performance. Primary benefits include:

- **Chemical resistance and toughness**, extending product life and maintaining functional and aesthetic integrity
- **Exceptional clarity**, allowing light transmittance, low haze, and great shelf appeal
- **Heat resistant**, dishwasher-safe, lower residual stress than polycarbonate to reduce cracking and crazing
- **BPA free**, contains no bisphenol-A monomer

Additional Features

- Design flexibility and processing ease
- Can be injection molded, extruded or thermoformed
- Can be compounded with PolyOne's OnColor™ and OnCap™ color and additive concentrates, and SmartBatch™ masterbatches



These products are BPA-free (containing no bisphenol-A) and are classified as a PolyOne Sustainable Solution*. To learn more, go to www.polyone.com/sustain

*The PolyOne Sustainable Solution certification is awarded to those products or services that meet defined criteria for sustainability in areas such as renew-ability, recycle-ability, reusability, eco-friendly composition, or resource efficiency.





Markets and End-Use Applications

Edgetek™ compounds made with Eastman Tritan™ copolyesters are an excellent choice for applications including:

Appliances

Blenders, coffee makers, mixers, food processors, juicers, specialty appliances (popcorn poppers, ice cream makers)

Housewares

Dinnerware, flatware, drinkware, cookware, storage and bowls, cutting boards, utensils and gadgets, servingware, bottles, mugs

Infant Care

Toys, care items, rattles and teething, sippie cups, dishes, utensils, bottles and breastfeeding accessories

Food Service

Trays, covers, ware items, utensils, packaging items

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