



Trilliant™ HC High Performance Blends

Made with BPA-Free Eastman Tritan™ Copolyester

Product Description

PolyOne's Trilliant HC high performance blends offer outstanding strength, durability and chemical resistance through the combination of polymeric resins including Eastman Tritan™ copolyester. Trilliant HC blends made with Tritan copolyester are available in standard grades or can be customized to meet specific performance requirements.

Value Solution

Improved chemical resistance enhances brand value

Medical device housings have traditionally used polycarbonate-based blends, such as PC/ABS, to provide good structural performance and impact resistance. However, many healthcare OEMs have experienced part failures once the material is exposed to harsh chemicals and cleaners.

Trilliant HC blends offer the flow properties of ABS together with Tritan copolyester's improved chemical resistance. This important feature is critical to extending part life, improving performance and aesthetics, and enhancing brand value for healthcare OEMs. Additionally, Eastman Tritan copolyester is a BPA-free alternative to polycarbonate.

Key Characteristics

The primary features and benefits of Trilliant HC high performance blends made with Eastman Tritan copolyesters are:

- **Chemical Resistance**, withstanding harsh chemical cleaners, oils, and food substances
- **Strength and Durability**, providing an outstanding combination of mechanical properties and toughness
- **Hydrolytic Stability**, offering improved low residual stress; no crazing or cracking
- **BPA-free**, contains no bisphenol-A monomer



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.



Market Segments and Applications

PolyOne's Trilliant™ HC high performance blends made with Eastman Tritan™ copolyester are ideal for applications that require improved chemical resistance, strength and durability including:

Medical and Surgical Devices

Imaging equipment and monitors, analyzers, wound care and suction devices, perfusion pumps, ventilators, ultrasound instruments, diagnostic devices, renal dialyzers

Medical Equipment and Supplies

Inhalers, nebulizers, CPAP/BIPAP, oxygen concentrators, pulse oximeters, humidifiers, blood glucose monitors, defibrillators

Health and Wellness

Dental equipment and supplies, breast pumps and infant care, exercise equipment

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