EASTMAN

Tritan™ Renew copolyester

Renewing the future of sustainable medical devices

Eastman Tritan™ Renew copolyester features the same quality and performance as legacy Tritan — now with up to 50% ISCC-certified recycled content.*

These clear, amorphous, medical grade copolyesters are used for clear medical device components, including rigid fluid management, catheters, syringes, stopcocks, medical housing components and more.

Tritan Renew MX731 and Tritan Renew MX711 are enabled by Eastman's molecular recycling technology to offset the use of fossil fuels and lower greenhouse gas emissions. They are chemically identical to the Tritan grades customers have trusted for decades, so adoption is simple.

Tritan Renew offers unique opportunities for medical device components to enhance your sustainability story and lower your environmental impact.

Renewed advantages

Clarity: superior, long-term clarity for easy identification of instruments

Chemical resistance: superior against disinfectants and aggressive cleaning agents commonly used in healthcare

Compatibility: suitable for contact with oncology drugs and lipids

Adaptability: used for various clear medical devices

Sterilization compliance: excellent ability to be subjected to almost all sterilization methods

Stability: superior optical and physical property stability post-sterilization

Usability: broad processing capabilities for injection molding and manufacturing secondary operations

Design versatility: may be colored using color concentrates, dry colors or liquid colorants

Making recycled content possible

Eastman's revolutionary molecular recycling technologies break down waste materials into their molecular building blocks, so they can be reused over and over again without degrading. This gives materials that were previously destined for landfills or incinerators an infinite lifespan.

The Kingsport molecular recycling facility will be able to process over 110,000 MT per year of plastic waste as feedstock, keeping it from landfills, incineration or the environment.

Eastman's technologies help contribute to a cleaner world by emitting less greenhouse gas and lowering our carbon footprint. Molecular recycling is a powerful new tool in the fight against material waste, enabling us to reimagine and revolutionize materials that take your sustainability story to the next level.

How much is 110,000 MT?

**Certified recycled content allocated using ISCC mass balance.*

Medical standards and support

Access to high-performing, medical grade materials is critical for innovative medical device manufacturers. To provide lasting reliability and proven patient safety, manufacturers and original equipment manufacturers (OEMs) require medical grade material suppliers to provide advanced, high-quality raw materials. Those materials must offer capabilities to help comply with medical protocols and regulations.

Tritan Renew MX731 and Tritan Renew MX711 are created with the same medical standards as Tritan MX731 and Tritan MX711. Tritan Renew supports a smooth transition for customers switching from legacy Tritan to products made with our molecular recycling technologies.

The FDA has confirmed Eastman's molecular recycling process is suitable to generate monomers for production of food contact materials and has issued No Objection Letters (NOL), for which information is available on the FDA's website.

Tritan MX731 and Tritan MX711 portfolio

Medical standards and support	Tritan MX731 and Tritan MX711	Tritan Renew MX731 and Tritan Renew MX711	Certifications
Quality systems and GMP	✓	✓	Products will continue to be manufactured subject to GMP. Eastman operates using a system which complies with the requirements of ISO 9001 for the design, development, manufacture and supply of polymers.
U.S. FDA Drug Master Files (DMF)	✓	✓	DMF for Tritan MX731 and Tritan MX711 will be updated to include products enabled by our molecular recycling process.
U.S. FDA No Objection Letter (NOL)	N/A	✓	The FDA has issued a No Objection Letter stating that the outputs of Eastman's advanced circular recycling process is suitable for use in the manufacture of food contact materials.

Talk to an Eastman expert about introducing Tritan Renew MX731 and Tritan Renew MX711 as your sustainable medical device solution.

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