

## Natus in the nursery

*Natus Medical Incorporated selects Eastman Tritan™ copolyester MXF121 for advanced hearing screening device.*

Natus Medical, a global leader in the design and manufacture of hearing screening equipment for newborn babies, developed a handheld automated screener to better meet user needs and regulatory requirements. Building on its trusted Echo-Screen technology, the Echo-Screen III hearing screener is a new compact design made of Eastman Tritan™ copolyester MXF121. With advanced capabilities, the all-in-one device incorporates all applicable screening tools and variable combinations of the relevant testing modalities to ensure quality results.

### Upgrade advantage

Natus liked the excellent mechanical properties, impact resistance, aesthetics, and moldability of the new, opaque Tritan MXF121. The material is well suited for use in handheld and other medical device housings because it is BPA free, durable, flame retardant, and chemical resistant to aggressive cleaners and disinfectants used in health care environments. Tritan MXF121 is also made without halogens and *ortho*-phthalate plasticizers. Eastman's launch of Tritan MXF121 fits with the development of Echo-Screen III, so the new material became a clear choice for the new-generation device.

### Easy conversion

Although the Echo-Screen III was originally designed and tooled using polycarbonate (PC)/acrylonitrile butadiene styrene (ABS) alloy, Natus was able to use existing production molds with only minor modifications because the linear mold shrinkage of Tritan MXF121 is nearly identical to PC/ABS.

### Forward thinking

"The Natus development team was able to meet user requirements for a DEHP-free and BPA-free product by partnering with Eastman on material selection," said Jim Hawkins, president and CEO of Natus Medical. "I am very pleased to see the impressive results and unique design of this product development effort. We believe this next-generation product will be very well received by our international customers as hearing screening adoption continues to grow worldwide."

Collaborative efforts will continue as well, as Natus plans to work with Eastman to convert additional product lines to Tritan MXF121.



*The Echo-Screen III, made of opaque Eastman Tritan™ copolyester MXF121, features a probe test chamber and docking station.*



The results of insight™

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