

Sustainable innovation through materials in the durable goods markets

Eastman Tritan™ copolyester

- Bisphenol-A (BPA) free
- Estrogenic-Activity (EA) free
- Superior chemical resistance, toughness, and outstanding clarity, allowing parts to maintain their looks and have less breakage
- Dishwasher durability, minimizing cracks and crazing — extending the life of products
- Energy savings over polycarbonate — low residual stress eliminates a separate annealing step
- Lower air-drying temperatures than polycarbonate
- Less replacement and less plastic being disposed of in landfills (durable goods)

DuraStar™ polymers

- Consume less energy than other copolyesters
- Need less overall energy with the advantage of faster cycle times



Did you know . . .

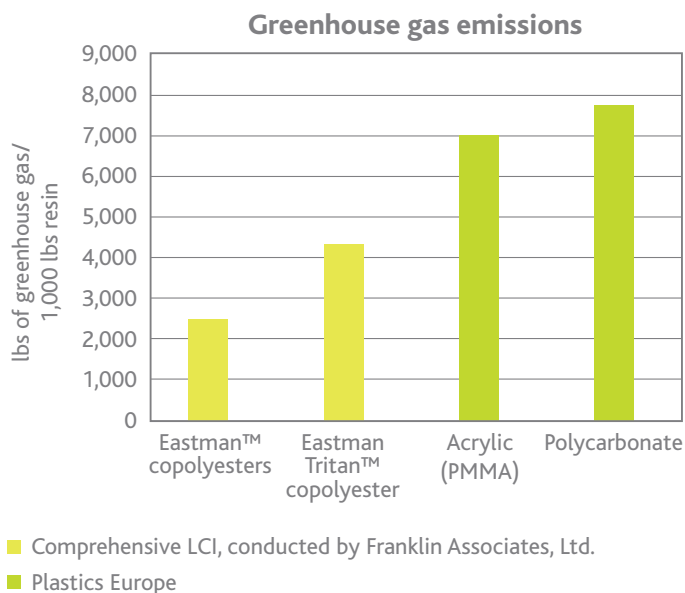
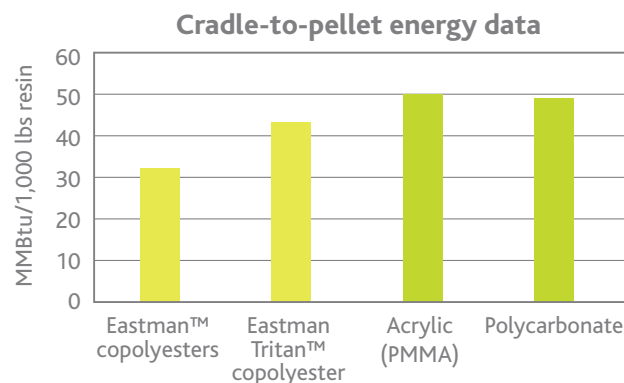
- That Eastman Tritan™ copolyester offers 2% lower density than polycarbonate, which means more parts per pound?
 - That the impact resistance (puncture energy at max load, ASTM D3763 for 3 mm sheet at 70°C) of DuraStar™ polymers (53 ft-lb) is about 18 times that of general-purpose acrylic (PMMA) (3 ft-lb) and about 5 times that of impact modified acrylic (PMMA) (26 ft-lb)?
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Eastman™ polymers for durable goods markets

For every 1 million pounds of Eastman™ copolyester used over polycarbonate, the energy saved is equal to approximately 140,000 gallons of gasoline.

The decrease in greenhouse gas emissions from using 1 million pounds of Eastman™ copolyester over polycarbonate is equivalent to taking approximately 440 cars off the street for a year.

The excellent thermal stability of Eastman™ copolyester permits the complete reuse of all clean, dry regrind in the recycling process.



EASTMAN

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