

Chemical resistance breathes extra value into e-cig products.

Eastman Tritan copolyester delivers game-changing advantages where it matters most.

Consumer satisfaction

- Improved user experience—soft mouthpiece, good gustation (taste) and good olfaction (smell), no taste from plastic
- Reduced cracking and crazing—superior chemical resistance to aggressive flavors, nicotine, and solvents
- Enhanced safety
 - Food grade and medical grade
 - BPA free and styrene free

Processing success

- Reduced cracking and crazing due to lower molded-in stress and less assembly stress
- Design and fabrication choice
 - Part fabrication: injection molding, blow molding, thermoforming, 3D printing
 - Decoration: naturally clear, colorable, paintable, printable, LED lighting
 - Assembly: snap fittings, compression fittings, welding, gluing, threading, drilling, riveting



Compatibility with commercial refills

Commercial refills	Tropical fruit	Tobacco	Candy	Menthol tobacco	Lemonade + apple	Crème	Cinnamon
Eastman Tritan™ copolyester	●	●	●	●	◐	◐	●
Polycarbonate (PC)	●	◐	◑	◑	○	◐	○
Transparent acrylonitrile-butadiene-styrene (tABS)	○	○	◑	◑	◑	○	◑
Acrylic	○	○	◑	◑	○	◑	◑

Compatibility with common solvents and additives

Commercial refills	Propylene glycol*	Glycerol*	2.4% Nicotine	PEG 400	10% Triacetin	Butanone
Eastman Tritan™ copolyester	●	●	◐	●	◐	◑
Polycarbonate (PC)	●	●	◐	◑	○	◑
Transparent acrylonitrile-butadiene styrene (tABS)	◑	◐	◑	○	○	○
Acrylic	◑	◐	◑	○	○	○

- Best
- ◐ Good
- ◑ Average
- Fair
- Poor

*All commercial refills use a mixture of propylene glycol and glycerol as a solvent before adding distinguishing flavor concentrates.

Use Eastman Tritan™ copolyester
beyond the core e-cig components.

Tritan is also an excellent polymer for
rigid packaging, battery sleeve, and other
applications. For information, visit
Eastman.com/tritan.



EASTMAN

The results of insight™

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