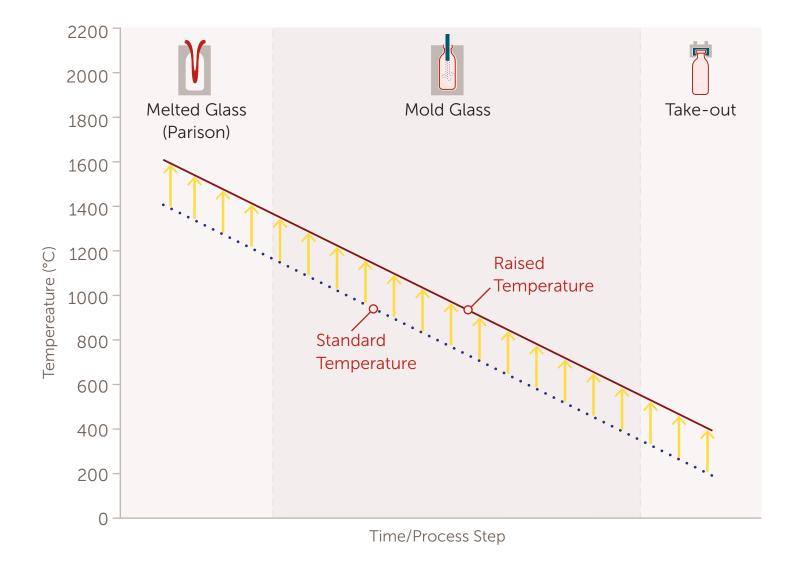
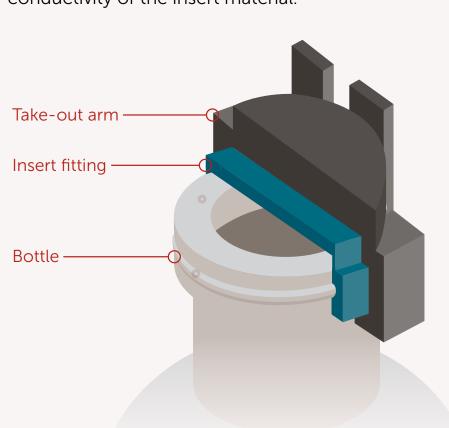
Enabling Competitive Glass with Custom Graphite Inserts

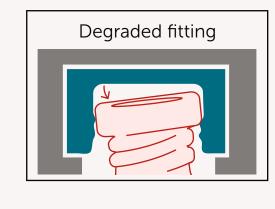
By melting and molding glass at higher temperatures, manufacturers can create stronger, thinner, more lightweight bottles. However, extra heat at the beginning of the process leads to extra heat at the take-out step. Learn how Entegris' advanced materials science expertise provides a solution that withstands the heat and does not compromise yield or process speed.

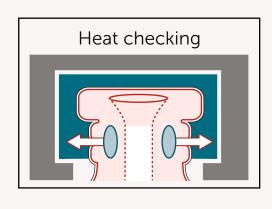


IMPACT OF THE TAKE-OUT INSERT MATERIAL

Increased heat during manufacturing increases lost product risk during the take-out process. There are two ways that the custom-fitted insert can lead to loss: droppage resulting from a degraded insert fitting poorly, and checking resulting from heat conductivity of the insert material.





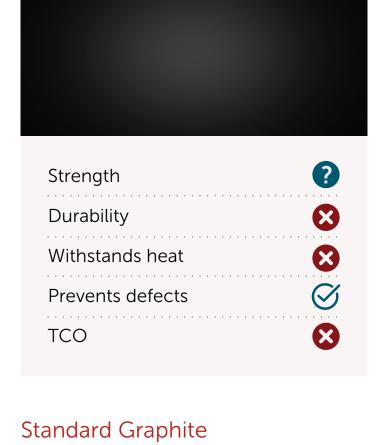


GLASS FITTING MATERIAL PERFORMANCE COMPARISON

Plastic

higher temperatures.

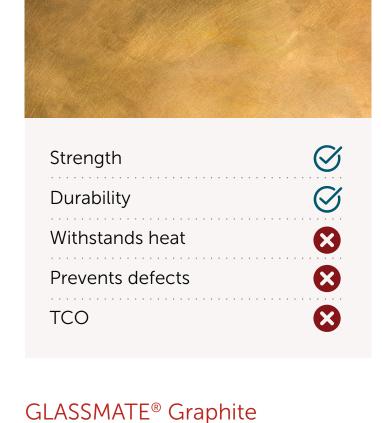
Plastic fittings are not durable at



Brass

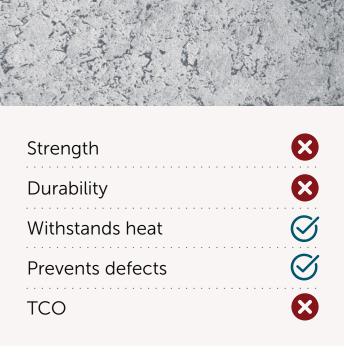
temperatures, but high thermal conductivity leads to checking.

Brass fittings are durable at high



Graphite thermal conductivity goes down as the temperature goes up.

However, standard graphite can be brittle and wears quickly.



without sacrificing yield or process speed.

GLASSMATE graphite is resistant to and insulative at hot temperatures and is

provides exceptional strength and durability.

structurally consistent. Our graphite



ENTEGRIS' GLASSMATE GRAPHITE TAKE-OUT INSERTS ENABLE HIGHER YIELD

Learn More

By enabling a high-temperature manufacturing process, GLASSMATE graphite take-out inserts help produce a more competitive, higher-quality glass product

www.poco.entegris.com/glass-handling



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