

## “Re-infiltrated Graphite” Liners for AL Deposition

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A long standing problem with standard graphite liners and AL depositions is the formation of AIC from the loose graphite particles on the liner surface. Standard graphite is porous and holds a lot of particles on the surface. Even more when suppliers machine their own liners from industrial grade graphite rods. “Semiconductor grade” graphite is not too bad but re-infiltrated is by far better. A special treatment and surface coating reduces particle formation



### Description of “Re-infiltrated Graphite”

This material offers cleaner handling with reduced particle content in the melt compare to regular graphite

Additional benefits are reduced wetting and extended lifetime

It is highly densified and purified graphite undergoing a special surface treatment with amorphous carbon. This treatment coats the surface and locks onto the graphite, providing harder surface with porosity sealed.

It is by far the best liner material for Aluminum, but also providing the above benefits for any other material that can be evaporated from graphite liners.