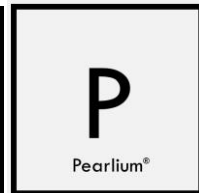




Pearlium® / Deep Pearly Eco-sourced Composite Material



Description

Pearlium® is a unique eco-sourced composite material based on by-products of the aerospace sector. It combines a wide range of white and translucent reinforcement fibers such as quartz, silica, ceramic and glass to offer a singular aesthetic of a deep pearly.

Illustration



Pearlium® Light Pink and Blue

Overall Features

- Structural aerospace grade composite material
- Eco-sourced from thermoset prepreg by-products
- Available in various colors and options
- Slightly translucent depending on part thickness
- Moldable to supply near net shape roughs to limit the generation of scrap
- Machinable to obtain complex geometries
- Stable and UV resistant components
- Water resistant material

Machining parameters

Pearlium® is a hard composite material formulated to withstand up to 120°C service temperature. Abrasive fibers contained require adopting specific tools and parameters when machining

Mechanical properties

Mechanical data is the result of several tests on cured laminate samples. This characterization work is in progress.