POLYVANTIS

BEST-IN-CLASS, COMPLIANT & HIGH PERFORMANCE SOLUTION

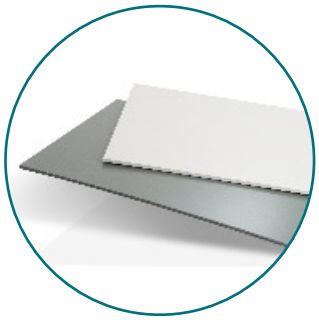
ULTEM™ 1668A SHEET



ULTEM™ 1668A sheet offers trusted application performance for over 30 years in the aircraft industry. The sheet is used in demanding interior applications due to its flame, smoke, and toxicity compliance and the tremendous strength. In addition, ULTEM 1668A sheet also gives excellent mechanic & impact benefits in combination with light weight.

IMPORTANT CRITERIA

ULTEM 1668A sheet meets all current commercial aircraft interior requirements, including OSU heat-release rate below 65/65, FAA smoke and flammability testing, and FRA vertical burn criteria and complies with toxicity standards BSS7239 and ABD0031.



KEY BENEFITS

- ✓ Halogen free
- ✓ OSU 65/65 compliant
- ✓ Excellent chemical resistance & cleanability
- ✓ Suited for multilayer applications
- ✓ Thermoformable
- ✓ Enhanced impact resistance

ULTEM™ SHEET

PRODUCT PROPERTIES

- Excellent chemical resistance & cleanability
- Robust flammability properties – FAR 25.853 that meets OSU 65/65
- High heat deflection temperature (395F/180C)
- ULTEM Sheet performs particularly well & supports leather and decorative "multi-layer" constructions
- Enhanced stiffness and other mechanical properties vs PC and PVC/Acrylics
- Paintable and/or available in a range of colors

APPLICATIONS

- ✓ Premium class seating
- ✓ Flight decks components
- ✓ Laminated & decorated panels
- ✓ Galley & Lavatory applications
- ✓ Air & electrical ducting



OUR SOLUTION

We provide a lightweight, opaque, and fully compliant OSU 65/65 product that meets all safety standards without the need for toxicity waivers from airlines and seating manufacturers.

Our product enhances safety while maintaining the design integrity of the aircraft.

TECHNICAL INFORMATION

For detailed technical specifications, such as the datasheet, chemical analysis, thermoforming recommendations, adhesive list, please contact our team via: lexan.info@polyvantis.com