

## VICTREX® PEEK Polymer Developments for Demanding Interior Aerospace Components

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As the aerospace industry continues to focus on removing weight from aircraft, engineers are continuing to replace metals with thermoplastics. When making this switch, product reliability is a major point of focus given that passenger and crew safety is of the utmost importance. VICTREX® PEEK polymer, with a 20 year track record, has been specified in interior aerospace applications due to its inherent high mechanical strength and low flame, smoke, and toxicity rating among many other reasons.

In this presentation, Victrex will discuss various product developments for injection molded components including high flow polymers for thin-wall parts as well as high modulus polymers for a much improved strength-to-weight ratio when compared to other engineering plastics. The presentation will also cover APTIV® PEEK film which has been used in the thermal acoustic blankets and burn-through barriers on major aircraft platforms due to it passing rigorous FAA flammability testing. Among other developments, VICTREX Pipes™ and PEEK-based composites are continuing to be evaluated for interior applications given their high strength, lightweight nature and durability in extreme environments.