



AEROSPACE: focus on aircraft interiors

Ensinger thermoplastics: new solutions for aircraft interiors applications



Semi-finished Plastic materials for Aircraft interiors





FAR 25.853 tests and results

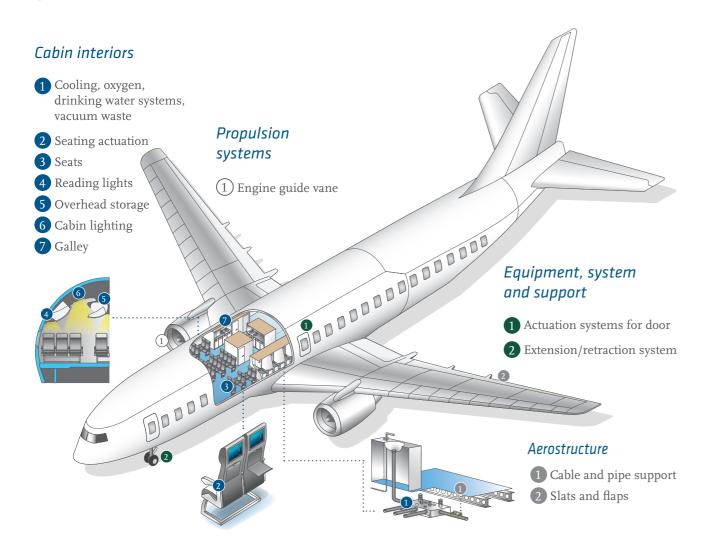
The FAR 25.853 covers the requirements for the materials used in aircraft interiors like flammability, smoke density, combustion emission and toxicity.

For flammability testing, we always indicate the thickness tested, which corresponds to the thinner wall thickness admissible on the finished part machined out of our stock shape. Flammability test certificates are available upon request at time of order.

New opportunties with Ensinger thermoplastics

We propose a wide range of materials that have been successfully tested as per international aviation regulations and aircraft manufacturers standards.

We share with you all relevant data which enables you to select quickly the correct material for the application. Off the shelf products, ready for use!



Materials tested according to flammability













TLCAPLLK OF 30 HULUIUI		
Polyetheretherketone	GF	
Density	1.53g/cm³	
Tested thickness	1 mm	
Tested time	60 seconds	
Possible production	5 – 100 mm	
dimensions*	5 - 80 mm	









TECAPEEK CF30 black			
Polyetheretherketone CF			
Density	1.38 g/cm³		
Tested thickness	1 mm		
Tested time	60 seconds		
Possible production dimensions		5 – 90 mm 5 – 50 mm	









*also available in inch

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Your best partners in aerospace for thermoplastics

Ensinger is the global supplier for high-performance plastics, proposing various and complementary solutions for aerospace applications: compounds, stock shapes, machining, profiles and tubes, composites and additive manufacturing.

Many Ensinger materials are validated by the main aircraft manufacturers and tier 1 OEMs; we are as well an approved supplier for finished parts. Machine shops EN 9100 / AS 9100C certified.