

Advanced Technology

Our advanced high-performance products are currently being used in many applications for the aerospace industry, including all military aircrafts, commercial aircraft, and business jets. Our products include fire-blocking layers (FBLs) for seating, burnthrough insulation, over-the-frame blankets, thermal acoustic insulation, carpet underlayments, high-temperature ducting, and cabin-divider linings. We also manufacture moisture-absorbing felts that prevent "rain in the plane" caused by condensation.

Our extensive knowledge and experience of high-performance materials and fiber blending gives us the ability to customize and design products that meet the most demanding and difficult requirements while dealing with aerospace regulations.

Some of our aerospace technologies are also used in other applications such as pipe insulation, equipment enclosures, thermal curtains for welding, high-temperature gaskets, and many other industrial applications.

Contact:

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Product Advantages:

Currently specified in numerous applications at OEMs and Seat Cushion Manufacturers in the aircraft industry. These fire blockers are used on the most demanding seating applications (Crew, First Class, Business Class and Economy Seating). The felt material has been designed to achieve the best level of durability and thermal resistance. Tex Tech Industries extensive R & D Department has the capabilities to design seat fire blockers per the customer specified requirements. Starting with producing a fiber locker, then performing manufacturing trials and finally full scale manufacturing.

Weight:

Fire Blockers range from 3.1oz/sq. yd. to 10.9oz/sq. yd. Which is 105 g/sq. m. to 370 g/sq. m. depending on the style.

Thickness:

Material range from 0.030" (1.14mm) to 0.070" (1.778mm) depending on the style.

Construction:

Tex Tech's Seat Fire Blocker material is constructed with FR inherent fibers with a woven scrim component on one side for added abrasion resistance. The material thickness can be altered by the process of calendaring. The non-woven material is produced within Tex Tech Industries, including blending, felting and finishing. Because all critical processes are completed in-house, just in time deliveries can be guaranteed.

Applications:

As stated above, the aircraft-related non-woven felts are used in aerospace seat cushion applications (Crew, First Class, Business and Economy Seating). The fiber type, content, weight and thickness will vary depending on the style.

Active Style Numbers:

4751R, 4759R, 4774R, 4798R, 7535R, 7725R, 8826R, 9696R, 9697R, 9742R, XD192:19R, XD192:26R, XT48417R

Flammability:

FAA 12-sec. Vertical FAR 25.853 (a)

FAA Smoke Density FAR 25.853 (d)