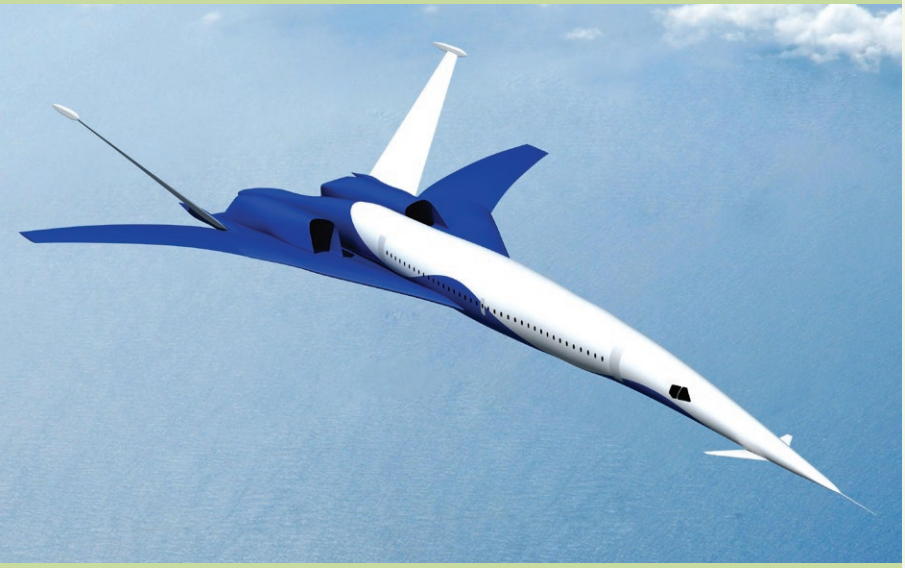
Next-Gen Supersonic Aircraft Design Meets Rulon®

A partnership with TriStar gives you a competitive edge.



Our client is at the forefront of next-gen aircraft design as they develop all-new supersonic technology. Their designs will get passengers to their destination faster, and travel further than conventional aircraft.

The specs require that all critical components be derived of materials with excellent frictional properties to reduce the wear that is caused by the rubbing of parts during hundreds of takeoff and landing cycles.

Other key requirements include good thermal properties to resist heat, and a lightweight design to reduce drag.

One of the original Rulon compounds is now helping bring next-generation, supersonic flight to life.

Rulon J

Flying further, faster — and with Less Friction

Our engineers recommended Rulon J friction rub strips for aircraft panels and components where friction is a challenge.

With a PV rating of just 7500, Rulon J is a "shaft-friendly," PTFE-blend material. Its special fillers reduce the friction of mating hardware, including composite-on-composite, or composite-on-metal.

By lowering friction and heat levels, Rulon J adds stability to extend the overall service lifetime of each component. And because it's a lightweight material, Rulon J contributes to a lower total aircraft weight with good reduction of flight drag.

Why choose Rulon J for supersonic flight?

- Near-zero friction (stick/slip) in mating components
- Lower total weight than metals
- Stability from engine vibration
- High temperature tolerance
- Self-lubricating design to reduce total maintenance