



# BLUESHIFT

## CORE TECHNOLOGY:

# AeroZero®

## KEY FEATURES:

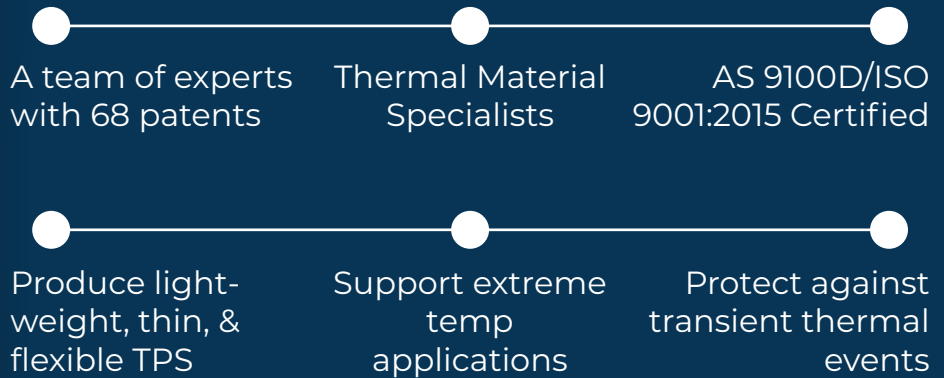
- AeroZero® is a **100% polyimide aerogel**
- Low Thermal Conductivity
- Low Dielectric Constant
- RF Transparent
- Flexible & Lightweight
- PTFE replacement
- Easy Application
- Permanent Adhesion
- Produced in a continuous roll-to-roll format

## CONTACT US:

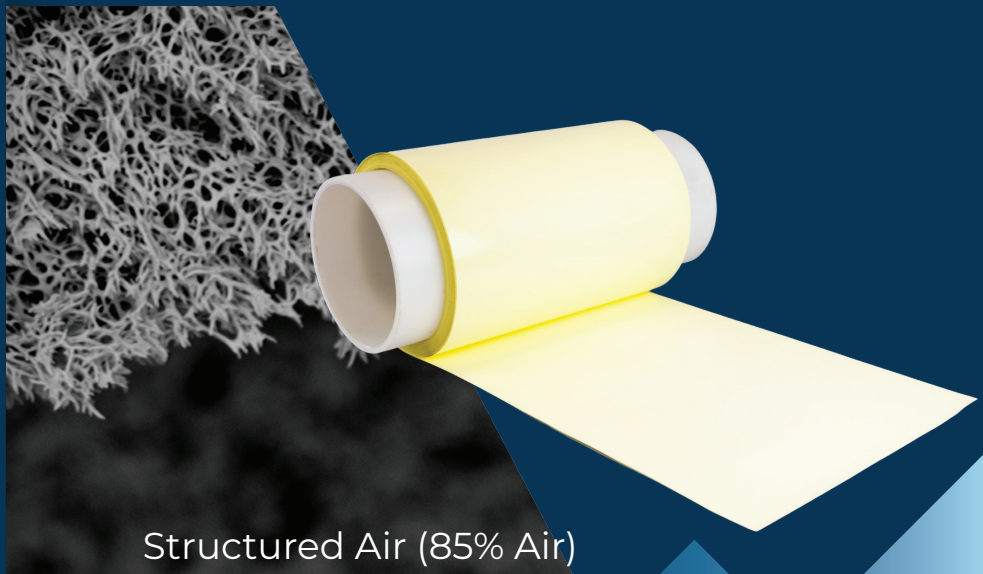
+1 (888) 350 - 7586

info@blueshiftmaterials.com

www.blueshiftmaterials.com



## COMPOSITION OF AEROZERO®



Structured Air (85% Air)



Check out our technical data sheets



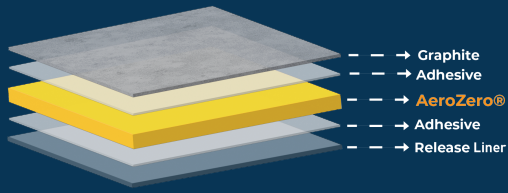
Lighten. Protect. Perform.

All Blushift Products Incorporate our Core Technology: AeroZero®



# OUR KEY PRODUCTS

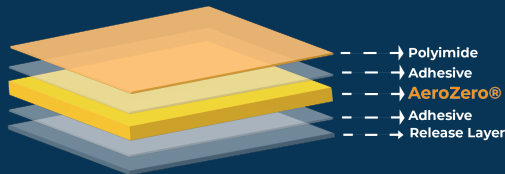
## AZ-TPS GR



## AZ-TPS Graphite

- ◇ Excellent thermal insulator & heat spreader
- ◇ Ideal for extreme aeroheating and cork replacements
- ◇ High heat resistance
- ◇ Lightweight & thin
- ◇ Easy application with permanent bonding
- ◇ Protects launch vehicles and allows for reusability

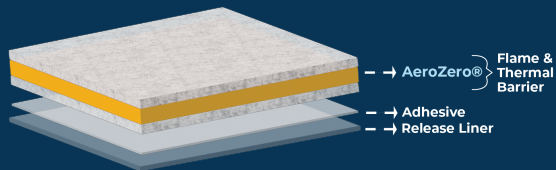
## AZ-TPS PI



## AZ-TPS Polyimide

- ◇ Lightweight & thin
- ◇ Easy application with permanent bonding
- ◇ Flame retardant
- ◇ RF Transparent
- ◇ Antenna, Radome, & Sensor Protection

## AZ FTB

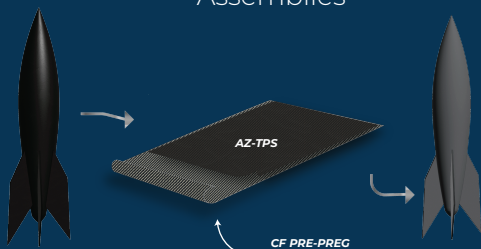


## AZ Flame and Thermal Barrier

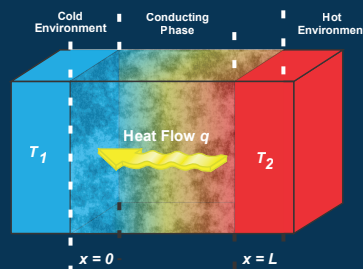
- ◇ High flame & heat resistance
- ◇ 25+ mins, ~ 1000 °C flame & no burn through
- ◇ Reduces heat transfer during thermal events
- ◇ Thermal runaway mitigation & intumescent coating replacement
- ◇ Protects battery systems from thermal runaway
- ◇ Lightweight & thin

Check out our other thermal protection systems on our website: AZ-TPS, VDA PI, and Double Sided Adhesive (DS), and RockeTape™

Protect Lightweight Composites/Battery Assemblies



Hypervelocity & Supersonic Thermal Protection



Devices, Sensor, Radomes, & Antennas

