



AZOTE® HIGH PERFORMANCE
FOAM FOR USE IN THE
**AVIATION AND
AEROSPACE**
INDUSTRY



AZOTE®
high performance
polyolefin foams



ZOTEK®
advanced
polymer foams

Aviation and Aerospace



Azote® polyolefin block foams offer a unique combination of physical properties that makes them ideal for a wide range of applications in aviation and aerospace. Their consistent cell size and structure makes them easy to machine, while their crosslinked nature enables them to be easily thermoformed into both simple and complex shapes.



AVIATION APPLICATIONS

AIRFRAME

- Ducting
- Doors
- Window gaskets
- Insulation panels
- Cable harness

INTERIOR

- Seating padding and support
- Lightweight cushions
- Buoyancy cushions
- Seat crash pads
- Crew and military ejection seat support
- Soft trim backing

GALLEY

- Thermal insulation
- Kit boxes

PACKAGING

- Conductive packaging for static sensitive electronics equipment.
- Tool control and on-board tool storage
- Flight case inserts



OUTSTANDING PROPERTIES

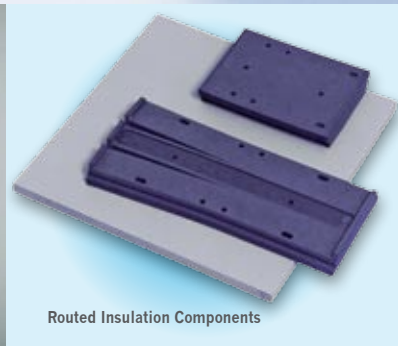
- Light weight (MP15 FR is the lightest polyolefin foam available)
- Conductive and static dissipative variants available
- Mouldable and easy to machine
- Flame resistant grades available
- Moisture resistant
- Low corrosivity
- Puncture proof buoyancy
- Approved by major aircraft OEMs and listed by NASA



Tool Control Inserts



Cockpit Hatch Cover - Technifab



Routed Insulation Components



Conductive Packaging for Sensitive Electronic Devices

GRADES MEETING REQUIREMENTS OF FAR/JAR 25.853(A) APP F PT I

- **Plastazote® MP15FR**
Lightest closed cell foam.
Closed cell, cross-linked, flame retarded mLDPE foam sheets of density 15 kg/m³
Specifications: Airbus Material AIMS
- **Plastazote® LD24FR and LD45FR**
Closed cell, cross-linked, flame retarded LDPE foam sheets of density 24 and 45 kg/m³ respectively

CONDUCTIVE AND STATIC DISSIPATIVE GRADES

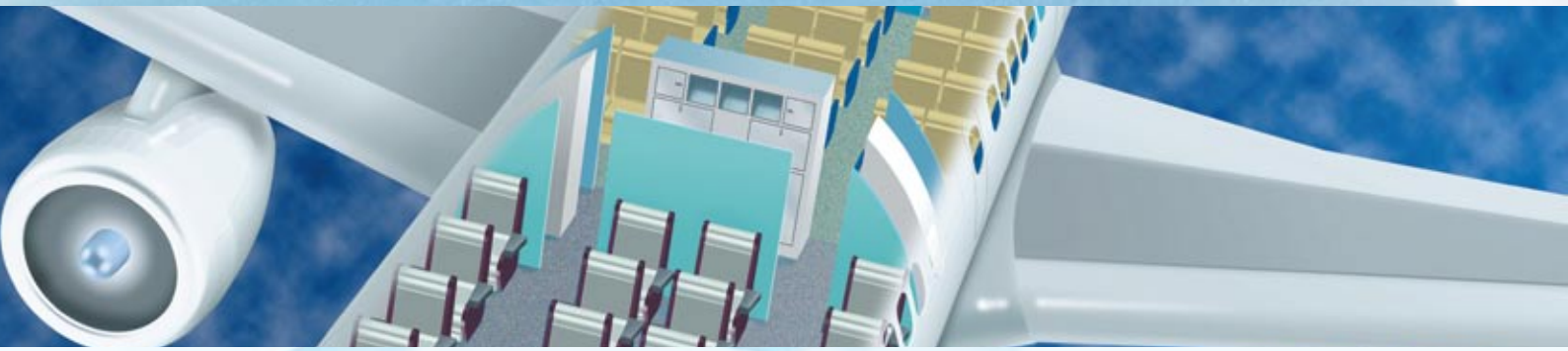
- **Plastazote® LD32CN**
Conductive, closed cell, crosslinked polyethylene foam sheet material with nominal density of 32 kg/m³ and volume resistivity of 5x10³ ohms/cm.
- **Plastazote® LD30SD**
Static dissipative, closed cell, crosslinked polyethylene foam sheet with nominal density of 30 kg/m³ and surface resistivity 107 ohms/sq (ESD S-11.11 – 1993)

STANDARD GRADES

- **Plastazote® LD33 & LD45**
These grades of crosslinked, closed-cell, polyethylene foams are available in a wide choice of colours and are used extensively for flight case inserts and tool control inserts. They play a vital role in helping eliminate tool FOD (Foreign Object Debris) damage in a wide variety of defence, aerospace and aviation applications.

OTHER GRADES

With densities ranging from 15 to 115 kg/m³ there is likely to be a grade to suit your specific requirements.



FOR MORE INFORMATION PLEASE VISIT WWW.ZOTEFOAMS.COM

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AZOTE® is the group brand for a variety of foams manufactured from differing base polymers but using the same unique process route. ZOTEK® is the group brand for foams manufactured from high performance polymers.

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