

AZOTE®

AVIATION AND AEROSPACE

High performance foam



ZOTEFOAMS

AZOTE®

Aviation and Aerospace

AZOTE® foams offer a unique combination of advantages for aviation and aerospace product design teams.

This range of lightweight, crosslinked polyolefin block foams includes the lightest OEM approved FR grade aviation foam, conductive and static dissipative grades compatible with the sensitive electronic components, and a huge colour range.

These foams are used in a wide range of applications including aircraft seating, insulation, seals, ducts, buoyancy aids and packaging.

The Zotefoams process produces lightweight, low odour, crosslinked, closed cell foams with amazingly consistent cell size.

These inbuilt characteristics of AZOTE® foam facilitate the production of high quality finished products from a wide variety of processes, including thermoforming, water jet cutting, thermal bonding and routing.



**In-flight
Packaging**



**Aircraft
Interiors**



**Tool Control
Inserts**

Aviation applications

Airframe

- ◆ Ducting
- ◆ Doors
- ◆ Window Gaskets
- ◆ Insulation Panels
- ◆ Cable Harnesses

Interior

- ◆ Seating Padding and Support
- ◆ Cushions
- ◆ Buoyancy Cushions
- ◆ Seat Crash Pads
- ◆ Ejection Seat Support
- ◆ Soft Trim Backing

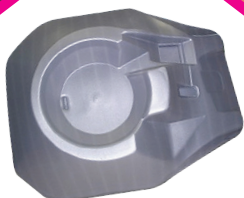
Galley

- ◆ Thermal insulation
- ◆ Kit Boxes

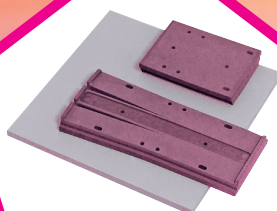
Packaging

- ◆ Conductive Packaging
- ◆ Tool Control and Storage
- ◆ Flight Case Inserts





Cockpit Hatch Cover



Routed Insulation Components



Conductive Packaging for Sensitive Electronic Devices

FR Grades

Product	Polymer	Density	Performance
Plastazote® MP15 FR	mLDPE	15 kg/m ³	FAR/JAR 25.853(a) App F Pt I
Plastazote® LD24 FR	LDPE	24 kg/m ³	FAR/JAR 25.853(a) App F Pt I
Plastazote® LD45 FR	LDPE	45 kg/m ³	FAR/JAR 25.853(a) App F Pt I

Conductive and Static Dissipative Grades

Product	Polymer	Density	Performance
Plastazote® LD32CN	Polyethylene	32 kg/m ³	Volume resistivity 5x10 ³ ohms/cm
Plastazote® LD30SD	Polyethylene	30 kg/m ³	Surface resistivity 10 ⁷ ohms/sq (ESD S-11.11 – 1993)

Standard Grades

Product	Polymer	Density	Performance
Plastazote® LD33	Polyethylene	33 kg/m ³	Wide Colour Range, Anti FOD*
Plastazote® LD45	Polyethylene	45 kg/m ³	Wide Colour Range, Anti FOD*

Other Grades

With densities ranging from 15 to 115 kg/m³, there is an AZOTE® grade for most applications.

* FOD - Foreign Object Damage

AZOTE®

The AZOTE® Aviation Interior
Design Premium



BUOYANT



LIGHTWEIGHT



COLD RESISTANT



**IMPACT
RESISTANT**



**CONSISTENT CELL
SIZE & STRUCTURE**



DURABLE



HEAT RESISTANT



LOW ODOUR & VOC'S



**RESISTANT TO
SOME CHEMICALS**



**THERMAL
INSULATION**



**BARRIER TO
MOISTURE**



**MOULD
RESISTANT**



**FLAME
RETARDANT**



**AVIATION REGULATORY
APPROVALS**



**AVIATION
OEM APPROVALS**



ZOTEFOAMS

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The AZOTE® Process Premium

- ◆ Thermo-formable
- ◆ Vacuum Formable
- ◆ Splittable
- ◆ High Quality Surface Finish
- ◆ Heat Stable
- ◆ Thermal Bonding
- ◆ Water Jet Cutting
- ◆ Robust Edges
- ◆ Ductile
- ◆ Reduced Resin Uptake
- ◆ Reduced Adhesive Uptake

Visit our website www.zotefoams.com



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