

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.



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

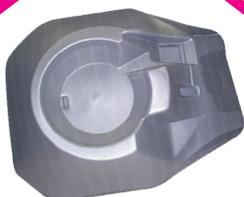
Galley

- ◆ Thermal insulation
- ◆ Kit Boxes

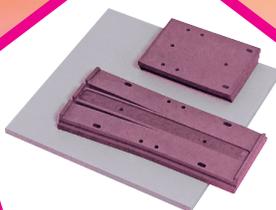
Packaging

- ◆ 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

For more information

ZOTEFOAMS plc

675 Mitcham Road
Croydon CR9 3AL United Kingdom
Tel: +44 (0) 20 8664 1600
Fax: +44 (0) 20 8664 1616
Email: info@zotefoams.com

ZOTEFOAMS, inc

55 Precision Drive
Walton Kentucky 41094 USA
Tel: +1 859 371 4046 FREE: (800) 362-8358 (US Only)
Fax: +1 859 371 4734
Email: custserv@zotefoams.com

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



LinkedIn

AZOTE®, PLASTAZOTE®, EVAZOTE® and SUPAZOTE® are registered trademarks of Zotefoams plc.

0013/Aviation Azote/English/03/24/500
Copyright © 2016 Zotefoams plc