THE PRODUCT

Designing and manufacturing the correct foam internals is a major part of the protective packaging solution.

At Extreme we are fortunate to have a sister company with over 30 years' experience
Working with a range of foams, but primarily high performance Plastazote foams. The regular cell size of these foams makes them highly energy absorbent... ideal materials for protective packaging.

FEATURES

- **Inert**
- **Lightweight**
- **Flexible**
- **Resilient to chemicals & water**
- **Static dissipative foams available**
- **Flame retardant foams available**
- **Easy to process & manipulate**
- **Highly energy absorbent**
- **UV stable**
- **Tough & resilient**
- **Pure: will not cause corrosion or staining**
- **Insulative**
- **Buoyant**
- **Good aesthetics**

The foams are ideal for the Defence market and meet or exceed the following military requirements

- Foam for general purpose packaging.
- High density foam for general purpose packaging.
- Foam for explosive compatible packaging.

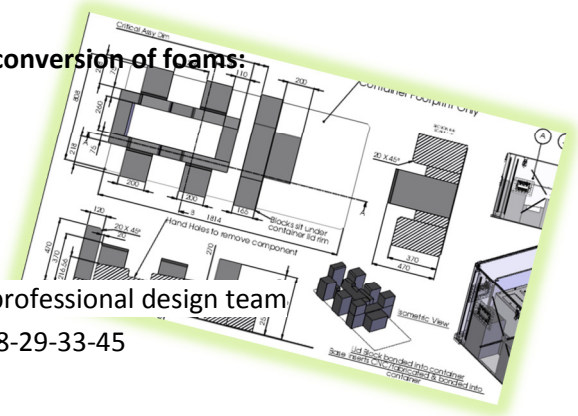
Packaging in Aviation and Aerospace

Plastazote foams have been widely used as transit packaging for many years and find application in both aerospace production areas, for tool control and part protection during transport, and on planes to produce safe compact storage for pieces of equipment such as defibrillator units.

More recently, the foams have found use as packaging where lightweight inherently flame retarded foams with high purity are required to protect high value components and equipment during transit in both aviation and aerospace applications.

MANUFACTURING

We have advanced capabilities for the conversion of foams:



- 5 CNC twin-head routers
- CNC Press
- Conversion facilities
- Fabrication skills
- Leading 3D CAD facilities and a professional design team
- Stockholding – main grades LD18-29-33-45
- Range of colours

TECHNICAL

Plastazote is a crosslinked, closed cell foam, physically blown using a unique, environmentally friendly, high-pressure nitrogen gas solution process.

Critical electronics assemblies and equipment are known to be susceptible to "static zap".

To overcome this potential problem, Plastazote produces permanently static dissipative, protective foams. These foams incorporate a non-corrosive, totally encapsulated conductive component in their make-up that provides bulk conduction of static without the need for atmospheric moisture, making it non-reliant on environmental conditions.

SPECIFICATIONS

Plastazote is available in a range of densities and options:

Nominal Density in kg/m3		OPTIONS				
		Available densities	Flame Retardant (FR)	Conductive (CN)	Static Dissipative (SD)	Flame Retardant to meet FMVSS (FM)
	LD15	•				•
	LD18	•				
	LD24	•	•			•
	LD29	•				
	LD30	•			•	
	LD32	•		•		
	LD33	•				•
	LD45	•	•			
	LD50	•		•		
	LD60	•				
	LD70	•				

77 Basepoint Centre
Abbey Park Industrial Estate
Romsey
Hants
SO51 9AQ
UK
Tel: +44 01794 278004
E: sales@extreme-cases.com
extreme-cases.com