

## Exceptional purity for PPE and medical applications

Plastazote® polyethylene foams from Zotefoams' AZOTE® range are the most in-demand thermoplastic foams for medical applications thanks to their unique characteristics: latex-free, non-toxic and hypoallergenic, Plastazote meets ISO10993 and is the material of choice for skin contact applications.

As the world battles the current COVID-19 pandemic, those properties are more important than ever, particularly in applications such as personal protective equipment (PPE), demand for which is increasing exponentially as its vital role in protecting frontline medical staff and others from this highly contagious virus becomes clear.

### Perfect for PPE

- Zotefoams is the only foam manufacturer that does not use a chemical blowing agent to expand foam, meaning that Plastazote® is the most skin-friendly foam available.
- The closed cell structure of Plastazote prevents absorption.
- Plastazote is inert and its closed cell structure means that contaminants in liquids or the air cannot become trapped.
- If reuse is necessary, AZOTE® foams can be cleaned by washing in warm water with household soaps or detergents and disinfected with a hypochlorite (bleach) solution.



Plastazote® LD33 was selected for the RamfoamCare+ Ultimate Visor, a novel two-piece design featuring a self-adjusting headband that is both reusable and recyclable. The 100% closed cell nature of the foam means that it prevents moisture absorption and the soft, flexible characteristics of the foam make it comfortable even for extended periods.

### Other applications

#### Scanning and X-ray aids

The unique Zotefoams manufacturing process makes Plastazote® and its AZOTE stablemate Evazote® – X-ray-, CT- and MRI-lucent making them ideal for a range of support applications as well as MRI vests.

#### Ventilation aids

Plastazote is an essential component in protecting sensitive medical devices such as Extracorporeal Membrane Oxygenation (ECMO) units during transit. Plastazote LD45WE is the ideal choice, protecting from shocks, chemicals and liquids. Its purity mean that it can be safely used for components in ventilators.



**Foam grades recommended for medical applications  
(based on toxicity testing):**

**Plastazote®**

LD15, LD18, LD24, LD29, LD33, LD45, LD60, LD70, HD30, HD60, HD80, HD115

**Evazote®**

EM26, EV30, EV50, VA25, VA35, VA65, VA80

**Plastazote® and Evazote®** materials have been tested to ISO10993, parts 1, 5, 10, 18; for details see [Technical Information Sheet TIS 25](#) (Compliance of AZOTE® Foams with Standards for Medical Appliances).

**Cleaning instructions**

[Technical Information Sheet TIS 24](#)

**Compliance:**

[RoHS statement](#)

[REACH statement](#)

[Contact your AZOTE® representative](#)

Zotefoams plc management systems are covered by the following:



**Quality**  
FM 01870  
ISO 9001:2015



**Safety**  
OHS 52538  
ISO 45001: 2018



**Environment**  
EMS 36270  
ISO 14001:2015

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