

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 ISO 109933 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.



The J-Shield™ from J-PAC Medical is a face shield designed for the medical community that uses lightweight Plastazote® LD15 in a 38mm/1.5" headband. 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
OHSAS 18001 2007



Environment
EMS 36270
ISO 14001 2015

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