



INNOVATE • MANUFACTURE • SUSTAIN

EXPANDED POLYETHYLENE

TECHNICAL DATASHEET

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PHYSICAL PROPERTIES OF EPE FOAM

- » EPE foam is a harmless plastic that is lightweight and flexible with no taste or odour. EPE foam absorbs shock well making it a great option for protecting delicate objects.
- » EPE foam has a high weight-to-strength ratio, high thermal resistance, is resistant to water, oils, and many chemicals, and is antistatic.
- » EPE foam is a very good insulating material and is available in different densities, shapes, and thicknesses to suit the required application or purpose.

CHEMICAL PROPERTIES OF EPE FOAM

- » EPE foam has a similar chemical to most plastics and of the form $(C_2H_4)_nH_2$.
- » EPE foam is white in colour unless a colour pigment is added to it during the manufacturing process.

HAZARDS IDENTIFICATION

- » EPE foam has a similar chemical to most plastics and of the form $(C_2H_4)_nH_2$.
- » EPE foam is white in colour unless a colour pigment is added to it during the manufacturing process.

FIRST AID MEASURES

- » **Ingestion:** If material has been ingested seek medical advice.
- » **Skin Contact:** There is no risk nor need to use gloves.
- » **Eye Contact:** Rinse eyes with clean water and if irritation starts seek medical advice.

VITATEX (PTY) LTD

60 1st Street, Booyens Reserve, Johannesburg South, 2091

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FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

- » CO₂
- » H₂O
- » Foam
- » Dry chemical powder

EXPOSURE HAZARDS

- » Combustible
- » May release hazardous and/or flammable vapours

STORAGE

- » Store in ventilated, temperature-controlled area at a temperature range between 22-26 degrees Celsius
- » Elevate product off the floor with the use of wooden pallets or other suitable product
- » Avoid exposure to direct sunlight
- » Avoid storing in steel shipping containers
- » Keep away from heat or ignition sources

GENERAL TECHNICAL SPECIFICATIONS

(NON-PRODUCT SPECIFIC)

- » **General Description:** Expanded Polyethylene (EPE) Foam
- » **Cell Structure:** Closed Cell
- » **Density:** 18 – 25 kg/m³
- » **Dimensional Tolerances:** +/- 5%
- » **Colour:** Natural White

Note: The product is sensitive to atmospheric pressure and temperature which may result in product distortion

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