

# Plastazote® LD33 Closed Cell Foam

Grade reference: LD33 | Plastazote® Nitrogen-Expanded Cross-Linked Polyethylene Foam

## PRODUCT DESCRIPTION

A premium closed-cell nitrogen-expanded cross-linked polyethylene foam manufactured under the Plastazote® brand. The unique production process produces a fine, uniform cell structure with excellent dimensional stability, low water absorption and outstanding workability. Available in ten standard colours, with or without self-adhesive backing. The material is readily fabricated and can be thermoformed into complex shapes.

## TECHNICAL SPECIFICATIONS

PROPERTY	TEST STANDARD	VALUE	UNIT
Density	ISO 845	33	kg/m <sup>3</sup>
Compression at 25% deflection	BS ISO 7214	69	kPa
Cell structure	-	Closed cell, cross-linked	-
Water absorption	Internal	Negligible	-
Supply forms	-	Sheet (10 colours)	-
Thermoformable	-	Yes	-

### TYPICAL APPLICATIONS

Cosplay armour and costume building, theatrical and film props, model-making and prototyping, lightweight buoyancy aids, protective packaging for moulded inserts, foam tooling and shadow-boards, medical orthotic padding, and decorative architectural elements. The premium grade where appearance, finish and workability matter.

### SUPPLY FORMATS

Available in sheet, block, profile and bespoke cut-to-size formats. Cut-to-size service included at no extra cost. Custom converting and lamination available on request. Contact the All Foam technical team for nonstandard dimensions and tolerances.

The information in this document is intended as a general technical guide and is based on data believed to be accurate at the date of issue. Values shown are typical and are not guarantees of performance, service life, fitness for a particular purpose or regulatory compliance. Customers are responsible for confirming product suitability for their intended application. ALL FOAM PRODUCTS LTD reserves the right to update product data without prior notice.