

DSM 3.8.5

Low Density Polyethylene Foam

General:

LDPE foam is a nitrogen charged closed cell, cross-linked (a process where high molecular weight thermoplastics are converted into thermosets) polyethylene foam. Available in a wide range of polymer combinations to give increased stiffness, improved temperature resistance and improved processing.

As a result, foams can be made with fine and regular cells, with a wide working temperature range and excellent thermal insulation properties, they are chemically inert.

Extruded using an environmentally friendly blowing agent system, a solid block with uniform cell structure is available up to 100mm thick. Complex shapes can be created by moulding, CNC routing and water jet cutting.

Benefits:

- Light weight and strong
- Available in virtually any colour & density (15kg/m³ to 115kg/m³).
- Flame retardant versions are available

Limitations:

- **Not recyclable**

ASM (DEK) Applications:

- Gaskets
- Protective film & Packaging.

ASM (DEK) Marking / Recycling:

Make sure that all materials that are recyclable have a code clearly marked on the product so the end user will know how to recycle the product.

These values are representative. For critical applications, refer to datasheet.

MECHANICAL PROPERTIES					
Name:	HARDNESS SHORE: OO Scale	TENSILE STRENGTH:	TENSILE ELONGATION:	TEAR STRENGTH:	DENSITY:
LDPE / PE-LD	63	0.537 MPa	155%	2414 N/m	45 Kg/m³

GRADE	COLOUR	SUPPLIER	UL No.	RECYCLE CODE
Plastazote® LD45	Black	Zotefoams	----	----

Alternatives:

Alternative polymers are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com

Issue	01	02	03	04	05	06	07	08
Date	14/07/22							