

DSM 3.8.4

Flame-Retarded 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 material does have the recycle 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	61	0.449 MPa	158%	2404 N/m	45 Kg/m³

GRADE	COLOUR	SUPPLIER	UL No.	RECYCLE CODE
Plastazote® LD45 FR	White	Zotefoams	----	 LDPE

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	26/06/20	23/09/21						