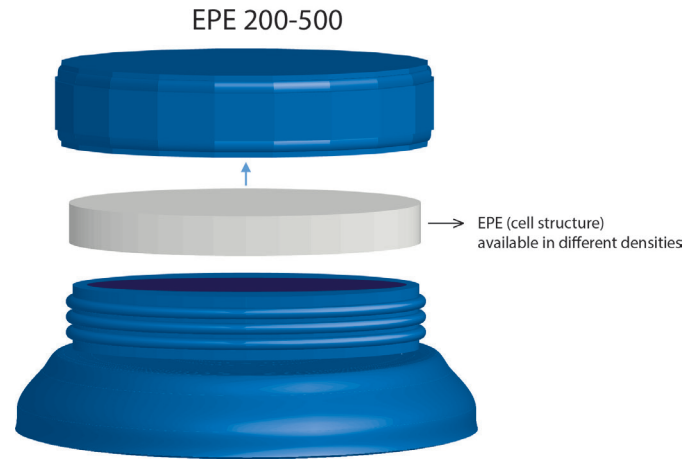


Technical Data Sheet

Laminated Gasket & Lining Material

EPE 200-500

PLASTIC FORMULATION



Highlights

Extruded closed cell foam from LDPE.

Regulatory Compliance

The plastic components of these liner materials comply with FDA regulations on food contact and Commission Regulation (EU) No. 10/2011 on plastic materials and articles intended to come into contact with food.

Physical Properties

	EPE 200	EPE 250	EPE 300	EPE 350	EPE 400	EPE 500	Tolerance
Density (kg/m ³)	200	250	300	350	400	500	±10 %
Standard thicknesses (mm)	1,00 - 1,20 - 1,40 - 1,50 - 1,80 - 2,00						±10 %
Shore A 0" (Shore)	45	50	60	64	70	72	/
Colour	white						/
Compression set 22h/23°C/25%	30 - 40 %						/

Available as

- Strip widths from 30 mm up to 1000 mm, cut liners and gaskets
- Cut liners available both packed in bulk and packed in PE-tubes

Subject to technical limitations, other thicknesses, dimensions and densities can be produced on demand.

Advantages

Important advantages of EPE liners are:

- Mechanically strong
- Good chemical resistance
- Good machineability
- Non-toxic and free of odours and taste

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Chemical Properties

After literature study of the effects of chemicals on EPE in combination with actual testing the following recommendations can be made:

E = Excellent L = Limited U = Unsatisfactory

Method: contact layer tested in contact with test medium at 23°C during 8 weeks

Chemical Group	
Alcohols	E
Aliphatic Hydrocarbons	U
Alkalis	E
Aromatic Hydrocarbons	U
Esters	E
Halogenated Hydrocarbons	U
Ketones	E
Mineral Acids	E
Mineral Oils and Fuels	E
Water and Aqueous Salt Solutions	E

Please note that these results are only indicative. Therefore it is strongly suggested to test the material in contact with the actual product.
The experience of Tekni-Plex Europe nv in chemical resistance testing is always at your service.

Storage Conditions

It is recommended to store the material at room temperature between 15 and 35°C and a relative humidity between 30 and 75 %.

The material must be protected from direct sunlight and high atmospheric humidity during storage. Large fluctuations in ambient temperature and high atmospheric humidity may lead to moisture condensing inside the packaging.

Advised Use

For optimum quality and in order to attain the best results:

- the product should be stored at room temperature (>15 °C) during at least the last 48h leading up to the actual processing.
- it is advisable to use this product within the first 6 months after production.

Shelf Life

Under the above mentioned storage conditions, the maximum guaranteed shelf life is 24 months starting from the day the material was produced, as indicated on the product's identification (box, spool or pallet label).

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