



## TECHNICAL DATA SHEET

### EPE LINERS

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Liners are made from closed cell EPE foam. EPE foam is produce in process of extrusion.

**Application:** for sealing closures uses for closing bottles with carbonated and non-carbonated non-alcoholic beverages , including mineral waters and juices and alcoholic beverages of an alcoholic strength up to 95%.

#### Available dimensions:

Diameter: **17,7mm, 17,9 mm, 19,2 mm, 19,6 mm, 21,1 mm, 21,7 mm, 23,7 mm, 23,85 mm, 24,65 mm, 24,8 mm, 25,54 mm, 26,0 mm, 26,6 mm, 26,9 mm, 27,0 mm, 27,4 mm, 27,6 mm, 27,7 mm, 28,54 mm, 28,6 mm, 28,65 mm, 28,7 mm, 28,9 mm, 29,7 mm, 30,5 mm, 30,6 mm, 30,65 mm, 30,75 mm, 30,9 mm, 31,5 mm, 34,7 mm, 35,7 mm, 36,0 mm,36,2 mm,36,5mm, 36,8 mm, 37,3 mm, 37,65 mm**, with tolerance  $\pm 0,15$  mm and **42 mm, 46,0 mm, 53,35 mm** with tolerance  $\pm 0,25$  mm

We produce liners with density in the range: **250 - 500 kg/m<sup>3</sup>**, and thickness from **1,0 – 3,0 mm**.

Density and thickness with tolerance  $\pm 10$  %

#### Properties:

Properties	Standard	EPE 250	EPE 300	EPE 400
<b>bulk density [kg/m<sup>3</sup>]</b>	ISO 7214	249	303	400
<b>compression [kPa] at</b>	ISO 7214			
10 % deformation		9	103	420
25 % deformation		114	307	912
50 % deformation		381	861	2484
<b>tensile strength [Mpa]</b>	ISO 7214			
longitudinal		2,25	3,14	4,08
transverse		2,65	2,82	4,08
<b>elongation at break [%]</b>	ISO 7214			
longitudinal		132	144	181
transverse		99	170	213
<b>compression set 25%, 23oC, 22 h [%]</b>	ISO 7214			
30 min		11,6	10,5	8,5
24 h		11,4	4,9	4,8



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**Packing:** Liners are packed loose in carton with polyethylene bag.

**Storage and Handling:** Liners should be stored at temperatures in the range 5°C – 35°C. If stored at lower temperatures the material should wait before processing for about 24h until it reaches room temperature (15°C – 25°C). Period of the usefulness is 2 years after production date.  
Do not stack pallets one on another– it may cause in deformation of boxes and liners inside of them.

**Note:**

GI ensures the quality of every batch through an Integrated Quality System certified in accordance with the ISO 22000:2018 and ISO 9001:2015 standards.

If there are no negative back information, after 90 days from the delivery date, the batch is considered accepted by the Customer.

The customer is responsible for inspecting whether our product is suitable for the customer's particular purpose. The GI company isn't bearing responsibility for using in discord with the specification, storing, conditions and manners of the treatment with our products at the user. Description of our products in this TDS is based on our knowledge and information from current examinations and it is reliable as of the date of publication.