

# PE foam 30 kg

## Data sheet

Revision date: 03-02-2025

**Polyethylene Foam** is a cross-linked, closed-cell polyethylene foam in blocks and sheets. Delivered in thickness ranging from 2 mm to approx. 300 mm. For lining, filling, protection, sealing, packaging, sound, shock absorption, heat, and cold insulation.

### Technical data

PROPERTIES	SPECIFICATION	UNIT	DAFA VALUE
Elastomer type			Polyethylene
Color			Anthracite
Density	ISO 845	kg/m <sup>3</sup>	30 ± 5
Hardness	ISO 868	Shore 00	48 ± 3
Tensile strength	ISO 1926	kPa	282 ± 62
Tensile elongation	ISO 1926	%	187 ± 66
Compression 10%	ISO 844	kPa	32 ± 8
Compression 25%	ISO 844	kPa	56 ± 7
Compression 50%	ISO 844	kPa	120 ± 8
Compressive set 25% 0,5h	ISO 1856	%	~11
Compressive set 25% 24h	ISO 1856	%	~4
Compressive set 50% 0,5h	ISO 1856	%	~26
Compression set 50% 24h	ISO 1856	%	~17
Thermal Conductivity at 10°C	EN 12667	W/mK	0,034
Thermal Conductivity at 40°C	EN 12667	W/mK	0,037
Water Absorption	Internal	g/cm <sup>3</sup>	1
Temperature range		°C	-60 to +90
Storage	Store material cool and dry		
		Author: PE	Control: AEN

\*Data represents typical values measured on a 10 mm thick specimen and should be considered as a guideline only.



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### Safety

Rubber and polymer products will by overheating and/or fire generally develop gases that could be potentially harmful. The material is generally very suitable for combustion and should therefore be kept away from ignition sources. In case of fire personal protection by using suitable respiratory equipment with independent air supply is required. Extinguish fire with carbon dioxide, foam, or powder.

### Chemical Safety

Material Safety Data Sheets (MSDS) do not have to be prepared (REACH art. 31) for articles or substances in an article. An Article is defined as an "object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition" (REACH art. 3 No. 3). According to Regulation (EC) No 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) DAFA is a producer of articles (REACH art. 3 No. 4).

If the article contains more than 0.1 % by weight of any Substance of very high concern (SVHC) information on the safe use and disposal of the article must be provided. This article does not contain SVHC according to the present ECHA Candidate list.

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