

Polyethylene Foam Type PE 33

Datasheet

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Polyethylene Foam Type PE 33 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 and shock absorption, and heat and cold insulation.

Technical Data

PROPERTIES	SPECIFICATION	UNIT	DAFA-VALUE
Polymer type	Polyethylene		
Colour	Charcoal grey and White		
Density	ISO845	Kg/m ³	33 +/- 5
Compressive strength			
- 10 % deflection	ISO 3386	kPa	> 32
- 25 % deflection	ISO 3386	kPa	> 48
- 50 % deflection	ISO 3386	kPa	> 98
Tensile strength	ISO 1789	kPa	> 176
Elongation	ISO 1798	%	> 120
Compression set, 22 h, 23 °C, 25 %			
- After ½ h recess	ISO 1856	%	< 15
- After 24 h recess	ISO 1856	%	< 7
Temperature application range		°C	-80 to +90
Water absorption	DIN 53428	%	<1
Thermal conductivity @ +10°C	DIN 52612	W/m K	0,036
Thermal conductivity @ +40°C	DIN 52612	W/m K	0,039
Fire resistance	FMVSS-302	mm/min	<100
Additional approvals	N/A		
Storage	Store material cool and dry		

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Safety

Rubber and polymer products will by overheating and / or fire in 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) does 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, Authorisation 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 safe use and disposal of the article must be provided. This article does not contain SVHC according to the present ECHA Candidate list.

Disclaimer

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