



TECHNO-FOAM 250

Technical specification

Application temperature	°C	200
Short term	°C	250
Density	kg/m ³	8.5 – 11.5
Sound absorption degree (DIN 52615) D = 50 mm/2000 Hz	%	90
Stamp pressure strength	N	45
Longitudinal specific flow resistance	KNs/m ⁴	10 – 20
Compressive hardness (for 40% deformation)	kPa	7 – 20
Thermal conductivity (10 °C DIN 52612)	W/mK	0.035
Tensile strength	KPA	120
Fire protection behaviour (DIN 4102)	B1	flame retardant
Standard dimensions/ board (in mm) ⁽¹⁾	Length	1250
	Width	625 1250
	Thickness	3 – 100
Colour		lightgrey

TECHNO-FOAM 250 is a high performance flexible open cell foam plastic based on melamine resin as raw material. It has been developed especially for utilisation under high temperature stress with simultaneous requirement of high absorption of sound propagated through the air. The surface is air-permeable embossed and slightly compacted.

TECHNO-FOAM 250 can be made self-adhesive or equipped on the rear side with a velcro system or aluminium foil covering. Production of moulded components is possible too.

Applications:

Electric heating devices, rear insulation of furnaces, drying plants, automotive applications, etc.

- (1) We are able to supply special formats and special thicknesses on request. We will be pleased to manufacture stampings, milled parts or cuttings according to your drawings.
- (2) The classification temperature is not to be equated with the maximum application temperature, in particular when physical conditions such as tensile or pressure loads are involved. For applications as high-temperature insulation, lower temperatures must always be applied. In these cases, our Engineering department will offer assistance and support.
- (3) Heat transmission calculations for this material can be requested from our Engineering department.

The information contained in this publication serves only for purposes of clarification, and is not intended to form the basis of contractual obligations.

Further information and advice on specific details of the products described can be obtained in writing from Techno-Physik Eng. GmbH (Germany). The TechnoPhysik Group is consistently running product development programmes and reserves the right to modify product specifications at any time without notice. The customer/user is thus always obliged to ensure that the material from Techno-Physik Eng. GmbH is suitable for his specific purposes. The specified values are average figures determined from current production and are intended only for information. Warranty claims cannot be derived from these figures. We recommend to test the material for your application.

Sales via any company in the TechnoPhysik Group are subject to the General Terms and Conditions of Sale of the respective company, a copy of which is available on request.