

BauderFOAM Product Data Sheet

Applicable to products made of 100% rigid foam that are not subject to BauPVO

Material:	Polyurethane rigid foam without facing
Quality:	E 70

Property	Test standard	Unit	Performance
Bulk density ¹	EN 1602	kg/m ³	70
Fire behaviour	EN 13501-1	Class	E
Thermal conductivity ^{2,3,4}	EN 12667	W/mK	≤ 0,024
Compressive strength for 10% compression ^{5,6,7}	EN 826	kPa	620
E-modulus of compressive strength ^{5,6,7}	EN 826	kPa	18.000
Tensile strength perpendicular to the board level ^{5,6,7,8}	EN 1607	kPa	850
Bending strength ^{5,6,7}	EN 12089	kPa	950
Water absorption when briefly immersed ⁸	EN 1609	%	≤ 3
Closed cell content	EN ISO 4590	%	≥ 90
Continuous operating temperature ⁹	-----	°C	-70 / +140

The stated performance values are average values based on our internal production control. Deviations from the stated performances values within the usual scattering range are possible.

¹ The bulk density is subject to a 10% tolerance.

² The thermal insulation resistance is determined at an average temperature of 10°C within 1 to 8 days after the foam has been manufactured.

³ The thermal conductivity derived thereof represents the initial value according to EN 13165:2012+ A2:2016, appendix C.3.

⁴ The thermal conductivity after ageing may need to be checked and calculated using procedures that are suitable for the end product.

⁵ Individual strength values may fall short of the nominal values by up to 10%.

⁶ All strength values refer to the direction in which the foam is rising.

⁷ If other test equipment is used, you must use the respective modified strength values for the calculation.

⁸ Determined from individual measurements and partly interpolated.

⁹ The continuous operating temperature is based on experience, but it does not constitute a substitute for meaningful suitability tests for the intended temperature range.

All details are based on the status of the measuring results at the time when this document was issued.

You must carry out the appropriate suitability tests for the intended use before using BauderFOAM.

We reserve the right to make alterations to the foam. If you have questions please contact us for technical details that are applicable at the time of your order.

Additional information:

Issue date: 01.06.2019