

Product data sheet

VARMSSEN® Board

Technical data

Maximum service temperature	1000 °C
	1832 °F
Bulk density, dry	225 kg/m ³
	14 lbs/ft ³
Compressive strength (EN ISO 29469)	2,6 MPa
Modulus of rupture (EN 12089)	1,4 MPa
Total porosity (EN 1094-4)	91 %
Permeability to gases (EN 993-4)	0,08 ×10 ⁻¹³ m ²
Specific heat	0,84 kJ/(kg×K)
	0,20 BTU/(lb×°F)
Coefficient of reversible thermal expansion at 20 to 750°C (68 to 1382°F)	5,5 ×10 ⁻⁶ K ⁻¹
	3,1 ×10 ⁻⁶ °F ⁻¹
Tensile strength (EN 1607)	610 kPa
	88,47 lbs/in ²
Dimension stability under specified temperature and humidity conditions (EN 1604) at 23°C – 90%RH – 48 hours	0,0 %
Thermal conductivity (EN 12667), λ_{200} average	0,074 W/(m×K)

Chemical analysis, typical

Silica, SiO ₂	47 %
Ferric oxide, Fe ₂ O ₃	0,1 %
Alumina, Al ₂ O ₃	0,2 %
Magnesium oxide, MgO	0,4 %
Calcium oxide, CaO	42 %
Sodium oxide, Na ₂ O	0,1 %
Potassium oxide, K ₂ O	0,1 %
Loss on ignition at 1.025°C (1.877°F), LOI	9 %
Non-combustibility tests (EN 13501-1 + A1)	Class A1
HS Tariff number (Harmonized Commodity Description and Coding System)	6806.90.00
Colour	Grey



Data are average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheet are supplied in good faith as a technical service and are subject to change without notice. Misprint and errors excepted. Revision number: 1.7.2025

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