

Skamol Marine Panel Board 300

Building

	Value	Unit
Maximum service temperature	1,000	°C
	1,832	°F
Bulk density	300	kg/m ³
	19	lb/ft ³
Cold crushing strength (DS/EN ISO 8895_2006)	2.8	MPa
	406	lb/in ²
Modulus of rupture (EN 993-6:1995)	1.7	MPa
	247	lb/in ²
Linear reheat shrinkage (EN 1094-6:1999) after 12 hours at 950°C (1,742°F)	1.5	%
Total porosity (EN 1094-4:1995)	89	%
Creep in compression (EN 993-9:1997) after after 50 hours at 900°C (1,652°F), load 0.1 MPa (14.5 lb/in ²)	0.4	%
Coefficient of reversible thermal expansion at 20°C to 750°C (68°F to 1,382°F)	5.5	×10 ⁻⁶ K ⁻¹
	3.1	×10 ⁻⁶ °F ⁻¹
Water content	2.5	%
Dimension stability under specified temp. and humidity conditions (EN 1604) at 23°C, 90%RH, 48 hours	0.0	%
Thermal conductivity (EN 12667), λ _{10(average)}	0.072	W/(m×K)
	0.499	BTU/(ft ² ×h×°F/in)

Thermal conductivity (ASTM C-182)	Mean temperature		
	200°C	0.09	W/(m×K)
	400°C	0.11	W/(m×K)
	600°C	0.14	W/(m×K)
	800°C	0.15	W/(m×K)
	392°F	0.62	BTU/(ft ² ×h×°F/in)
	752°F	0.76	BTU/(ft ² ×h×°F/in)
	1,112°F	0.97	BTU/(ft ² ×h×°F/in)
	1,472°F	1.04	BTU/(ft ² ×h×°F/in)

Chemical analysis			
Silica	SiO ₂	46	%
Alumina	Al ₂ O ₃	0.3	%
Ferric oxide	Fe ₂ O ₃	0.3	%
Magnesium oxide	MgO	0.6	%
Calcium oxide	CaO	45	%
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	6	%

Non-combustibility tests (EN 13501-1:2007 + A1:2009)	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: 11.1.2021

Skamol Group

Hasselager Centervej 1, 8260 Viby, Denmark

Tel.: +45 97 72 15 33

www.skamol.com



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Size	Length	Width	Thickness
Maximum	2,440mm	1,220mm	105mm
Minimum	According to your specification	According to your specification	20mm
Standard tolerances*	Up to ± 2.5 mm	Up to ± 2.5 mm	Up to ± 1.5 mm
Machined tolerances*	Up to ± 2.5 mm	Up to ± 2.5 mm	Up to ± 1.0 mm

*Dimensional tolerances depend on length and width

General information

Not all size combinations are available for ordering.

Contact Skamol for the tolerance for a specific size.

Standard sizes

Check your Skamol price list or contact Skamol with your request.

Machining

Special shapes machined to customer specification can be supplied for specific design requirements.

Packaging

Products will be packed according to the Skamol standard.



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