

| | Value | Unit |
|---|-------|------------------------------------|
| Maximum service temperature | 1,100 | °C |
| | 2,012 | °F |
| Bulk density | 245 | kg/m ³ |
| | 15 | lb/ft ³ |
| Compressive strength – CCS (EN ISO 29469) | 2.7 | MPa |
| | 392 | lb/in ² |
| Modulus of rupture (EN 12089) | 1.3 | MPa |
| | 188.5 | lb/in ² |
| Linear reheat shrinkage (EN 1094-6) after 12 hours at 1,050°C (1,922°F) | 1.5 | % |
| Total porosity (EN 1094-4) | 90 | % |
| Creep in compression (EN 993-9) after 50 hours at 800°C (1,472°F), load 0.1 MPa (14.5lb/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 |

| Thermal conductivity (ASTM C-182) | Mean temperature | | |
|-----------------------------------|------------------|-------|--------------------------------|
| | | 200°C | 0.08 |
| | 400°C | 0.10 | W/(m×K) |
| | 600°C | 0.12 | W/(m×K) |
| | 800°C | 0.14 | W/(m×K) |
| | 392°F | 0.55 | BTU/(ft ² ×h×°F/in) |
| | 752°F | 0.69 | BTU/(ft ² ×h×°F/in) |
| | 1,112°F | 0.83 | BTU/(ft ² ×h×°F/in) |
| | 1,472°F | 0.97 | BTU/(ft ² ×h×°F/in) |

| Chemical analysis | | | |
|---------------------------------------|--------------------------------|-----|---|
| Silica | SiO ₂ | 47 | % |
| Alumina | Al ₂ O ₃ | 0.3 | % |
| Ferric oxide | Fe ₂ O ₃ | 0.3 | % |
| Magnesium oxide | MgO | 0.6 | % |
| Calcium oxide | CaO | 43 | % |
| 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 | 8 | % |

| | | |
|---|----------------|--|
| The boards are delivered with a water-repellent surface treatment on one side | | |
| Non-combustibility test: (EN 13501-1 + A1) | Class A2-s1,d0 | |
| 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: 7.12.2023

| 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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