

	Value	Unit
Maximum service temperature	1,000	°C
	1,832	°F
Bulk density	250	kg/m ³
	16	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)	1.3	MPa
	189	lb/in ²
Linear reheat shrinkage (EN 1094-6:1999) after 12 hours at 950°C (1,742°F)	1.0	%
Total porosity (EN 1094-4:1995)	90	%
Creep in compression (EN 993-9:1997) after after 50 hours at 900°C (1,652°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
Water content	2.5	%
Dimension stability under specified temp. and humidity conditions (EN 1604) at 23°C, 90% RH, 4 hours	0.0	%

Sound reduction index (R _w (C;C _r))	Thickness		
	60mm	28 (-1;-3)	dB

Thermal conductivity (ASTM C-182)	Mean temperature		
	200°C	0.08	W/(m×K)
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	%

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	

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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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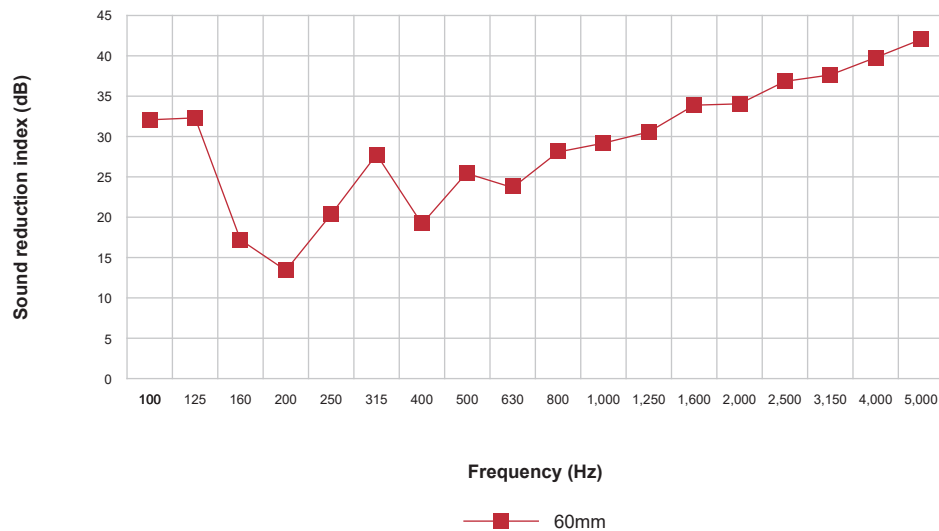
Acoustic performance (60mm)

Frequency in Hz	100	125	160	200	250	315	400	500	630	800	1,000	1,250	1,600	2,000	2,500	3,150	4,000	5,000
R in dB	32.0	32.3	17.2	13.4	20.3	27.8	19.4	25.3	23.7	28.1	29.0	30.4	33.7	34.3	37.0	37.6	39.6	42.0

Tested to NF EN ISO 10140-1 (2016), NF EN ISO 10140-2 (2013), NF EN ISO 10140-4 (2013)

Rating according to NF EN ISO 717-1 (2013)

Report no. RA-ACO0650



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