

Data sheet: Lite-Cell 170-D2

Parameter	Test Standard	Value
Classification temperature (°C)	ASTM C210-95	1700
Continuous temperature (°C)		1700
Max. short term temperature (°C)		1750
Bulk density (gr/cc)	EN 1094-4	0.75 ± 0.05
Open porosity (%)	EN 993-1	79
CCS - Cold Crushing Strength (MPa)	ASTM C-133-97	Typ. 4.7
MOR - Cold bending strength (MPa)	ASTM C-133-97	Typ. 4.3
Thermal conductivity (W/mK) at mean temperature: 800°C 1000°C 1200°C 1400°C	EN 993-15 (Parallel hot wire method)	Typ. 0.54 0.56 0.58 0.59
Phase Composition	XRD	Alumina Al ₂ O ₃ Mullite Al ₆ Si ₂ O ₁₃
Chemical Analysis Al Si Fe, Ca, Zr, Cr, Mg	DIN 51001	Normalized to oxides (wt.%) 98.0 1.9 < 0.05
Linear thermal expansion coefficient (10E-7/K): 20°C - 1000°C 20°C - 1200°C	DIN 51045	83.1 85.7
Permanent Linear Change (%) After 24 hr at 1700°C After 24 hr at 1650°C After 24 hr at 1600°C	ASTM C 210-95	< -1.8 < -0.4 < -0.1

Disclaimer:

Information has been produced according to recognized test standards and is provided in good faith. It is subject to review whenever necessary and no guarantee or warranty is implied. The purchaser shall determine Product suitability for its intended use. Compliance with all local laws and regulations remains the responsibility of the user.