



TECHNICAL DATA

CALDE® CAST MW STRONG LITE**PRODUCT TYPE**

Maximum recommended temperature	: Alumina - Silica product
Main component	: Insulating castable
Type of bond	: 1320°C
Appearance	: Lightweight chamotte
Packaging	: Hydraulic
Shelf life	: Dry, for addition of water
Installation method	: Sacks
Maximum grain size	: 12 months
Material required	: Casting (Rodding , minimum vibration)
Drinking water required for mixing on site	: 4 mm
Guidelines	: 1.48 t/m³
	: 20.5 / 23.5 litres per 100 kg of dry material
	: Installation Nr 9

PRODUCT PROPERTIES	STANDARD	AVERAGE VALUES	UNITS
<u>CHEMICAL ANALYSIS</u>			
Al2O3	EN ISO 1927-3	40.0	%
SiO2	EN ISO 1927-3	39.0	%
CaO	EN ISO 1927-3	12.5	%
Fe2O3	EN ISO 1927-3	5.3	%
<u>PHYSICAL PROPERTIES</u>			
<u>Measured on samples prepared according to</u>	EN ISO 1927-5		-
<u>Bulk density</u>			
after drying at 110 °C	EN ISO 1927-6	1.59	g/cm³
after firing at 800 °C	EN ISO 1927-6	1.45	g/cm³
<u>Cold crushing strength</u>			
after drying at 110 °C	EN ISO 1927-6	25	MPa
after firing at 800 °C	EN ISO 1927-6	18	MPa
after firing at 1000 °C	EN ISO 1927-6	12	MPa
after firing at 1200 °C	EN ISO 1927-6	10	MPa
<u>Permanent linear change</u>			
after firing at 800 °C	EN ISO 1927-6	-0.15	%
after firing at 1000 °C	EN ISO 1927-6	-0.25	%
after firing at 1200 °C	EN ISO 1927-6	-0.40	%
<u>Thermal conductivity</u>			
at a mean temperature of 500 °C	EN ISO 1927-8	0.49	W/mK
at a mean temperature of 800 °C	EN ISO 1927-8	0.50	W/mK
at a mean temperature of 1000 °C	EN ISO 1927-8	0.55	W/mK
<u>Reversible thermal expansion after firing [20-1000 °C]</u>		0.60	%

Commercial Code : MAI40096

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The data are current production averages. They cannot be used as limits for a specification.