

Data Sheet

Revision 1: 2024.08.31

M-Sulite

M-Sulite is high insulating and moderate strength calcium aluminate bonded refractory castable for low to intermediate operating temperatures.

Chemical analysis (%):

SiO ₂	43.00	Na ₂ O	0.69
Al ₂ O ₃	27.85	K ₂ O	0.69
CaO	15.01	P ₂ O ₅	0.16
Fe ₂ O ₃	6.89	MnO	0.04
FeO	1.80	Mn ₂ O ₃	0.01
MgO	1.80	Cr ₂ O ₃	0.005
TiO ₂	1.50	LOI	0.14

Physical Properties:

Maximum particle size:	-6mm
Bulk Density (Wet):	1.5 - 1.66 g/cm ³
Apparent Porosity:	18%
Maximum service temperature:	1100°C
Permanent Liner Change:	Slight expansion smaller than 0.7% fired at 1100° C.

Preparation:

Depending on your need mix either with:
+21% water if vibration can be used
+24% water if placing with slight vibration or tapping
+31% if a pourable mix is required

Mixing:

Time: ~ 5 minutes
Use immediately after mixing

Setting time / Heat of hydration:

2 – 3 hours depending on weather conditions.

Packaging:

15kg plastic bags.

Shelf life:

About 12 months