

L23

General information	
Classification	Insulating refractory brick Type 125-0,50-L ISO 2245
Main raw material components	Light weight fireclay
Bonding type	Ceramic
Main Application(s)	Universal
Classification Temperature	1.230 °C

Chemical analysis					
SiO ₂	Al ₂ O ₃	CaO	TiO ₂	Na ₂ O+K ₂ O	Fe ₂ O ₃
44,4%	37,0%	15,2%	1,2%	1,1%	0,8%
MgO					
0,3%					
Determination on fired substance (1025 °C / 1877 °F) acc. to ISO 12677					

Physical properties			
Bulk Density		0,48	[g/cm ³] ISO 5016
Cold Crushing Strength		1,0	[N/mm ²] ISO 8895
Permanent Linear Change		-0,40	[%] ISO 2477
Temperature for PLC		1.230	[°C]
Thermal Expansion (1160 °C / 2120 °F)		0,50	[%] EN 993-19
Thermal Conductivity	600 °C / 1112 °F	0,14	[W/mK] ASTM C182
	800 °C / 1472 °F	0,17	[W/mK] ASTM C182
	1000 °C / 1832 °F	0,19	[W/mK] ASTM C182

The indicated values are standard values, i.e. values taken over a longer representative period of time according to either valid test standards or internal test methods. They may not be regarded as committed specifications and therefore not as guaranteed properties. We reserve the right to further technical developments and new editions of technical product information.