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Lubisol Ltd.

PRODUCT SPECIFICATIONS

Lubisol 2-SL (Super Light Thermal Insulation)

I. INFORMATION

Lubisol 2-SL (Super Light) insulating material is developed and patented by Lubisol Ltd. It is characterized by a low volume weight, low thermal conductivity and high melting point: over 1400 °C.

Lubisol 2-SL is very suitable for thermal insulation of glass furnace crowns and any other type of industrial furnaces, kilns and heating appliances.

It is supplied as a wet mix, sealed in plastic bags, ready for use by light ramming. Special application instruction will be given by the supplier.

II. CHEMICAL COMPOSITION (%)

Lubisol 2-SL	
SiO ₂	> 77.0
AlPO ₄ (Al ₂ O ₃ + P ₂ O ₅)	< 15.5
H ₂ O	1.5

Note: The values of the chemical composition are given as information. They are not a part of the purchasing contract.

III. OTHER PROPERTIES (Typical)

Lubisol 2-SL	
Specific gravity after firing at 500 °C	0.33 kg/dm ³
Thermal conductivity at 20 °C	0.08 W/m.K
Thermal conductivity at 500 °C	0.13 W/m.K
Thermal conductivity at 1000 °C	0.20 W/m.K
Thermal expansion up to 1400 °C	0.5 %
Melting point	>1400 °C
Storage	60 months