

SAFETY LINING for TUNDISH

General information

Classification	Refractory concrete (NCC) DIN EN ISO 1927-1
Main raw material components	Bauxite, Mullite rich raw material, Sintered alumina
Bonding type	Sol bonding
Grain Size	0-6 mm
VDEh-Code	1803802770
Working method	Vibrating
Amount of Material without loss	2,70 t/m ³
Amount of liquid addition	7,2-8,2 l/100 kg
Storage Limit	18 months
Temp. limit for application	1.750 °C

Chemical analysis

O	SiO ₂	O	TiO ₂		
Al ₂ O ₃		Fe ₂ O ₃			
81,0%	15,0%	0,7%	1,5%		
Determination on fired substance (1025 °C / 1877 °F) acc. to ISO 12677					

Physical properties

Bulk Density	110 °C / 230 °F	2,75	[g/cm ³]	ISO 1927-6
	1000 °C / 1832 °F	2,70	[g/cm ³]	ISO 1927-6
Cold Crushing Strength	110 °C / 230 °F	70,0	[N/mm ²]	ISO 1927-6
	1000 °C / 1832 °F	120,0	[N/mm ²]	ISO 1927-6
	1500 °C / 2732 °F	120,0	[N/mm ²]	ISO 1927-6
Thermal Expansion (1000 °C / 1832 °F)		0,55	[%]	EN 993-19
PLC (1000 °C / 1832 °F)		-0,15	[%]	ISO 1927-6