

COMPRIT B72-6

General information	
Classification	Refractory concrete, conventional EN 1402-1
Main raw material components	Bauxite
Bonding type	Hydraulic
Grain Size	0-6 mm
VDEh-Code	001303702445, 001803702445
Working method	Vibrating
Amount of Material without loss	2,54 t/m ³
Liquid addition	Water
Amount of liquid addition	9,0-10,0 l/100 kg
Storage Limit	12 months
Temp. limit for application	1.450 °C

Chemical analysis					
Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	K ₂ O	CaO	
72.0%	15.0%	1.5%	0.2%	7.5%	
Determination on fired substance (1025 °C / 1877 °F) acc. to EN ISO 12677					

Physical properties				
Bulk Density	110 °C / 230 °F	2,55	[g/cm ³]	EN 1402-6
	1000 °C / 1832 °F	2,45	[g/cm ³]	EN 1402-6
Cold Crushing Strength	110 °C / 230 °F	75,0	[N/mm ²]	EN 1402-6
	1000 °C / 1832 °F	45,0	[N/mm ²]	EN 1402-6
Thermal Expansion (1400 °C / 2552 °F)		0,70	[%]	EN 993-19
PLC	1000 °C / 1832 °F	-0,10	[%]	EN 1402-6
	1200 °C / 2192 °F	0,30	[%]	EN 1402-6
Thermal Conductivity	400 °C / 752 °F	0,90	[W/mK]	DR. KLASSE
	600 °C / 1112 °F	0,90	[W/mK]	DR. KLASSE
	1000 °C / 1832 °F	1,00	[W/mK]	DR. KLASSE
	1200 °C / 2192 °F	1,00	[W/mK]	DR. KLASSE

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.