

COMPRIT F33-6

General information	
Classification	Refractory concrete, conventional DIN EN ISO 1927-1
Main raw material components	Porcelain
Bonding type	Hydraulic
Grain Size	0-6 mm
VDEh-Code	001311202015, 001811202015
Working method	Vibrating
Amount of Material without loss	2,00 t/m ³
Amount of liquid addition	11,0-13,0 l/100 kg
Liquid addition	Water
Storage Limit	12 months
Temp. limit for application	1.150 °C

Chemical analysis					
Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	K ₂ O	Na ₂ O
33.0%	47.0%	1.1%	0.4%	2.1%	0.5%
MgO	CaO				
0.7%	13.0%				
Determination on fired substance (1025 °C / 1877 °F) acc. to EN ISO 12677					

Physical properties				
Bulk Density	110 °C / 230 °F	2,21	[g/cm ³]	EN ISO 1927-6
	1000 °C / 1832 °F	2,00	[g/cm ³]	EN ISO 1927-6
Cold Crushing Strength	110 °C / 230 °F	60,0	[N/mm ²]	EN ISO 1927-6
	1000 °C / 1832 °F	20,0	[N/mm ²]	EN ISO 1927-6
Modulus of Rupture (110 °C / 230 °F)		10,0	[N/mm ²]	EN ISO 1927-6
Thermal Expansion (1000 °C / 1832 °F)		0,35	[%]	EN 993-19
PLC (1000 °C / 1832 °F)		-0,07	[%]	EN ISO 1927-6
Thermal Conductivity	400 °C / 752 °F	0,70	[W/mK]	Dr. Klasse
	600 °C / 1112 °F	0,70	[W/mK]	Dr. Klasse
	800 °C / 1472 °F	0,70	[W/mK]	Dr. Klasse
	1000 °C / 1832 °F	0,70	[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.