

## COMPRIT ZM22G-3

General information	
Classification	Gunning mix
Main raw material components	Zirconium mullite
Bonding type	Hydraulic
Additional Information	high abrasion resistance
Grain Size	0-3 mm
VDEh-Code	001452402950
Working method	Gunning
Amount of Material without loss	2,60 t/m <sup>3</sup>
Amount of liquid addition	10,0-14,0 l/100 kg
Liquid addition	Water
Storage Limit	12 months
Temp. limit for application	1.500 °C

Chemical analysis					
Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	ZrO <sub>2</sub>		
55.0%	17.0%	0.5%	22.0%		
Determination on fired substance (1025 °C / 1877 °F) acc. to EN ISO 12677					

Physical properties				
Bulk Density	110 °C / 230 °F	2,70	[g/cm <sup>3</sup> ]	EN ISO 1927-6
	1000 °C / 1832 °F	2,60	[g/cm <sup>3</sup> ]	EN ISO 1927-6
Cold Crushing Strength	110 °C / 230 °F	75,0	[N/mm <sup>2</sup> ]	EN ISO 1927-6
	1000 °C / 1832 °F	40,0	[N/mm <sup>2</sup> ]	EN ISO 1927-6
	1300 °C / 2372 °F	55,0	[N/mm <sup>2</sup> ]	EN ISO 1927-6
Thermal Expansion (1000 °C / 1832 °F)		0,70	[%]	EN 993-19
Thermal Conductivity	400 °C / 752 °F	1,25	[W/mK]	EN821-2
	600 °C / 1112 °F	1,04	[W/mK]	EN821-2
	800 °C / 1472 °F	1,01	[W/mK]	EN821-2
	1000 °C / 1832 °F	1,08	[W/mK]	EN821-2

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.

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