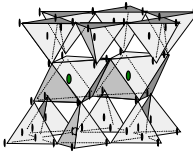


# Functional Materials Specialty Additives



CERATOSIL® TK



**CERATOSIL® TK** ist ein aktivierter Calciumbentonit aus ausgewählten bayerischen Rohtonen. Er verbessert die Rohbruchfestigkeit und das Extrusionsverhalten keramischer Massen. Die Herstellprozesse von Bau- und technischen Keramiken werden optimiert.

## TPYISCHE EIGENSCHAFTEN

Farbe	elfenbein
Form	Pulver
Feuchte	9 ± 3 %
Schüttdichte	780 ± 50 kg/m <sup>3</sup>
Methylenblau-Adsorption	320 ± 40 mg/g
Quellvolumen	min. 22 ml/2g
Enslin-Neff	ca. 500 %
pH-Wert	10 ± 1
Siebrückstand (63 µm, trocken)	max. 30 %

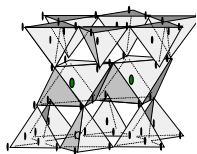
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## CERATOSIL® TK

VERPACKUNG	MINERALISCHE ZUSAMMENSETZUNG		
Lose,	Principal minerals	Montmorillonite	min. 70 %
Big-Bags oder			
in Säcken	Accompanying minerals	Quarz	approx.. 5 - 9 %
		Mica	approx. 1 - 6 %
		Feldspar	approx. 1 - 3 %
		Calcite	approx. 1 - 3 %
		Dolomite	approx. 1 - 3 %

CHEMISCHE ZUSAMMENSETZUNG	
SiO <sub>2</sub>	52,80%
Al <sub>2</sub> O <sub>3</sub>	18,30%
TiO <sub>2</sub>	0,27%
Fe <sub>2</sub> O <sub>3</sub>	5,40%
MgO	4,40%
CaO	4,20%
Na <sub>2</sub> O	2,40%
K <sub>2</sub> O	1,50%
MnO <sub>2</sub>	0,06%
Glühverlust (1000°C)	10,30%
Fluorid	0,10%

Die angegebenen Werte der Nebenbestandteile können aufgrund natürlicher Streuungen der Rohmaterialien um bis zu ± 20% schwanken.

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