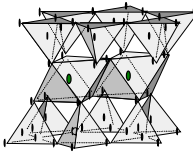


Functional Materials Specialty Additives



CERATOSIL® FG



CERATOSIL® FG ist ein aktivierter Calciumbentonit aus bayerischen Rohtonen, mit ausgewogenen rheo-logischen Eigenschaften und mit höchster Mahlfineinheit. Dadurch ist er in allen keramischen Massen hervor-ragend homogenisierbar und kann seine plastifizierende, stabilisierende und thixotrope Wirkung voll entfalten. Extrusionsverhalten und Herstellprozesse werden optimiert.

TPYISCHE EIGENSCHAFTEN

Farbe	elfenbein
Form	Pulver
Feuchte	6 ± 12 %
Schüttdichte	630 ± 70 kg/m ³
Brookfield-Viskosität (50 g/l, 1h)	min. 160 m Pas.
Quellvolumen (H ₂ O dest.)	min. 28 ml/2g
Enslin-Neff	min. 500 %
pH-Wert	10 ± 1
Siebrückstand (63 µm, trocken)	max. 3 %
Siebrückstand (45 µm, nass)	max. 1 %

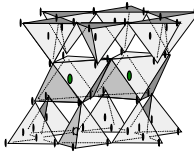
Clariant Produkte (Deutschland) GmbH
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CERATOSIL® FG

VERPACKUNG	MINERALISCHE ZUSAMMENSETZUNG		
Lose	Hauptmineral	Montmorillonit	
Big Bags oder	Begleitminerale	Quarz	ca. 5 – 7 %
Säcke		Glimmer	ca. 1 – 4 %
		Feldspat	ca. 1 – 3 %
		Calcit	ca. 1 – 6 %
		Dolomit	ca. 2 – 4 %

CHEMISCHE ZUSAMMENSETZUNG

SiO ₂	47,40%
Al ₂ O ₃	16,30%
TiO ₂	0,30%
Fe ₂ O ₃	6,10%
MgO	3,90%
CaO	7,70%
Na ₂ O	3,20%
K ₂ O	1,80%
MnO ₂	0,13%
Glühverlust (1000°C)	12,70%
Fluorid	0,09%

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

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