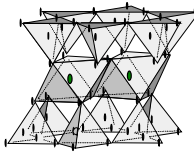


Functional Materials Specialty Additives



CERATOSIL® R



CERATOSIL® R ist ein natürlicher Calciumbentonit aus ausgewählten bayerischen Rohtonen. Er verbessert Plastizität und Rohbruchfestigkeit keramischer Massen. Die anorganische Binderkapazität und gute Fließmittel- eigenschaften optimieren den keramischen Herstellungsprozeß.

TPYISCHE EIGENSCHAFTEN

Farbe	beige
Form	Pulver
Feuchte	max. 14 %
Schüttdichte	780 ± 100 kg/m ³
Methylenblau-Adsorption	290 ± 40 mg/g
Quellvolumen	min. 6 ml/2g
Enslin-Neff	min. 250 %
pH-Wert	8,5 ± 1
Siebrückstand (63 µm, trocken)	10 - 40 %

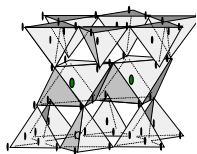
Clariant Produkte (Deutschland) GmbH
BU FUNCTIONAL MATERIALS
DPS EMEA, Specialty Additives

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CERATOSIL® R

VERPACKUNG	MINERALISCHE ZUSAMMENSETZUNG		
Lose	Hauptmineral	Montmorillonit	
Big Bags oder	Begleitminerale	Quarz	ca. 5 - 9 %
Säcke		Glimmer	ca. 1 - 6 %
		Feldspat	ca. 1 - 4 %

CHEMISCHE ZUSAMMENSETZUNG

SiO ₂	53,00 – 60,00%
Al ₂ O ₃	16,00 – 20,00%
TiO ₂	0,30 – 0,40%
Fe ₂ O ₃	4,00 – 7,00%
MgO	3,50 – 4,50%
CaO	1,50 – 4,00%
Na ₂ O	0,30 – 1,80%
K ₂ O	1,00 – 2,20%
MnO ₂	0,14%
Glühverlust (1000°C)	8- 13
Fluorid	0,09%

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

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