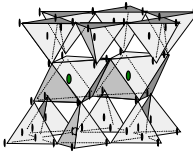


Functional Materials Specialty Additives



CERATOSIL® VF ist ein natürlicher Natriumbentonit von hoher Mahlfeinheit mit ausgezeichnetem Adsorptions- und Quellvermögen. Ohne „Aktivierungssalz“ und sehr gut homogenisierbar wird er als rheologisches, thixotropes Additiv in Glasuren und Engoben eingesetzt. Als wirksames Strukturhilfsmittel dient er der Formgebung und verbessert das Extrusionsverhalten.

TPYISCHE EIGENSCHAFTEN	
Farbe	seidengrau
Form	Pulver
Feuchte	max. 14 %
Schüttdichte	750 ± 70 kg/m ³
Methylenblau-Adsorption	345 ± 45 mg/g
Quellvolumen (H ₂ O dest.)	min. 24 ml/2g
Enslin-Neff	ca. 700 %
pH-Wert	9,5 ± 1
Siebrückstand (63 µm, trocken)	max. 10 %
Siebrückstand (75 µm, trocken)	max. 6 %

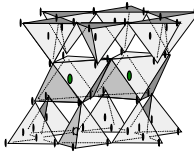
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Functional Materials Specialty Additives



CERATOSIL® VF

VERPACKUNG	MINERALISCHE ZUSAMMENSETZUNG		
Big-Bags oder in Säcken	Hauptmineral	Montmorillonite	ca. 70 – 80 %
	Begleitminerale	Quarz	ca. 2 – 4 %
Cristobalit		< 1 %	
Feldspat		ca. 3 – 6 %	
Calcit		ca. 1 – 2 %	

CHEMISCHE ZUSAMMENSETZUNG

SiO ₂	61,00 %
Al ₂ O ₃	19,90%
TiO ₂	0,24%
Fe ₂ O ₃	4,20%
MgO	2,70%
CaO	1,60%
Na ₂ O	2,40%
K ₂ O	0,75%
MnO ₂	0,04%
Glühverlust (1000°C)	5,00%
Fluorid	0,10%

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

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