Data sheet no. 9001 .09	Quality-Managementsystem	Dolomitwerk Jettenberg Schöndorfer GmbH
Revised on 22.10.2020	Material Data Sheet	

Semidol® K 0

Half calcined Dolomite 0.5 - 1.2 mm

Features

Half calcinated dolomite is produced by calcinating pure dolomite at a temperature of about 850 °C. Compared with dolomite a partial decomposition to CaCO3 * MgO and carbondioxide took place.
Semidol is available in different grain sizes.
Semidol is commonly used for filtration and processing drinking water. Semidol de-adicaces drinkingwater and hardens it up. Moreover, it is used as a carrier of reagents in desulphurisation of waste gases.
Semidol meets the specifications of EN 1017, Typ A (former DIN 19621).

Delivery by bulk-tank lorry or in „Big Bags“ or in sacks

Chemical analysis

Compound	CaO	MgO	SiO2	Al2O3	Fe2O3	TiO2	K2O	Na2O	Loss on ignition
%	39,2	27,5	0,02	0,03	0,02	< 0,01	< 0,01	< 0,01	33,2

Mineralogical analysis

CaCO3		69,9	MA.-%
free CaO	<	1,0	MA.-%
MgCO3		4,7	MA.-%
free MgO		25,2	MA.-%
Balance		0,1	MA.-%

Physical Data

Density		3,33	g/ml DIN ISO 787, Part 10
Bulk density		1,10	g/ml
pH value		11	DIN ISO 787, Part 9
Solubility in water		0,38	%

Grain size distribution DIN 18123

Mean grain size 0,7 mm (D50-value)

If there is no data sheet with the grain size, you can demand the typical grain size distribution from Dolomitwerk Oberjettenberg.

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