

Data sheet no. 9201 .09	Quality- Managementsystem	Dolomitwerk Jettenberg <i>Schöndorfer GmbH</i> 
Revised on 22.10.2020	Material Data Sheet	

Semidol[®] K 2

Half calcined Dolomite 2.0 - 4.5 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 $\text{CaCO}_3 \cdot \text{MgO}$ 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	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	K ₂ O	Na ₂ O	Loss on ignition
%	39,2	27,5	0,02	0,03	0,02	<0,01	<0,01	<0,01	33,2

Mineralogical analysis

CaCO ₃	69,9	MA.-%
free CaO	< 1,0	MA.-%
MgCO ₃	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	1,14 g/ml	
pH value	11	DIN ISO 787, Part 9
Solubility in water	0,27 %	

Grain size distribution DIN 18123

Mean grain size	3,08 mm	(D50-value)
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If there is no data sheet with the grain size, you can demand the typical grain size distribution from Dolomitwerk Oberjettenberg.

Oberjettenberg 8

D-83458 Schneizlreuth

Telefon: 0049 / (0)8651 / 9682-0

Telefax: 0049 / (0)8651 / 9682-2

All data are subject to production and deposit tolerances. They just describe the product but are not guaranted characteristics.

It is the user's responsibility to check the product for its suitability for the intended application. We will be glad to provide information about tolerance ranges and experiences with applications, if requested. Sales are subject to our general terms and conditions of sale and delivery.