



micral[®] 5

Micronized Calcium Carbonate

Main applications:

Matt emulsion decorative paints, thermoset polyesters (SMC,BMC), alkaline papermaking (offset, multipurpose, Kraft liner, test liner, bico), synthetic marble, acrylic sealants, chewing gum, food additive.

Chemical Composition

CaCO ₃	98.84 %
MgCO ₃	0.87 %
Al ₂ O ₃	0.057 %
Fe ₂ O ₃	0.011 %
Sn	< 0.001 %
Pb	< 0.001 %
Cd	< 0.0001 %
Mn	0.0074 %
Cu	< 0.0001 %
SiO ₂	0.10 %
Loss of weight on calcination	43.7 %

Measured by I.C.P.

Physical Characteristics

Method

Granulometry

Statistic mean diameter	5.8 µm	Mastersizer S
D 50	3.0 µm	Mastersizer S
45 µm Sieve retention	< 0.1 %	ISO 787R/7

Whiteness

Dry

DOP

Spectraflash SF450

L	98.0	79.5
a	-0.02	-0.7
b	1.1	4.5
TAPPI	94	

Moisture	< 0.1%	ISO 787R/2
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pH (aqueous sol. 10%)	9.0	ISO 787R/9
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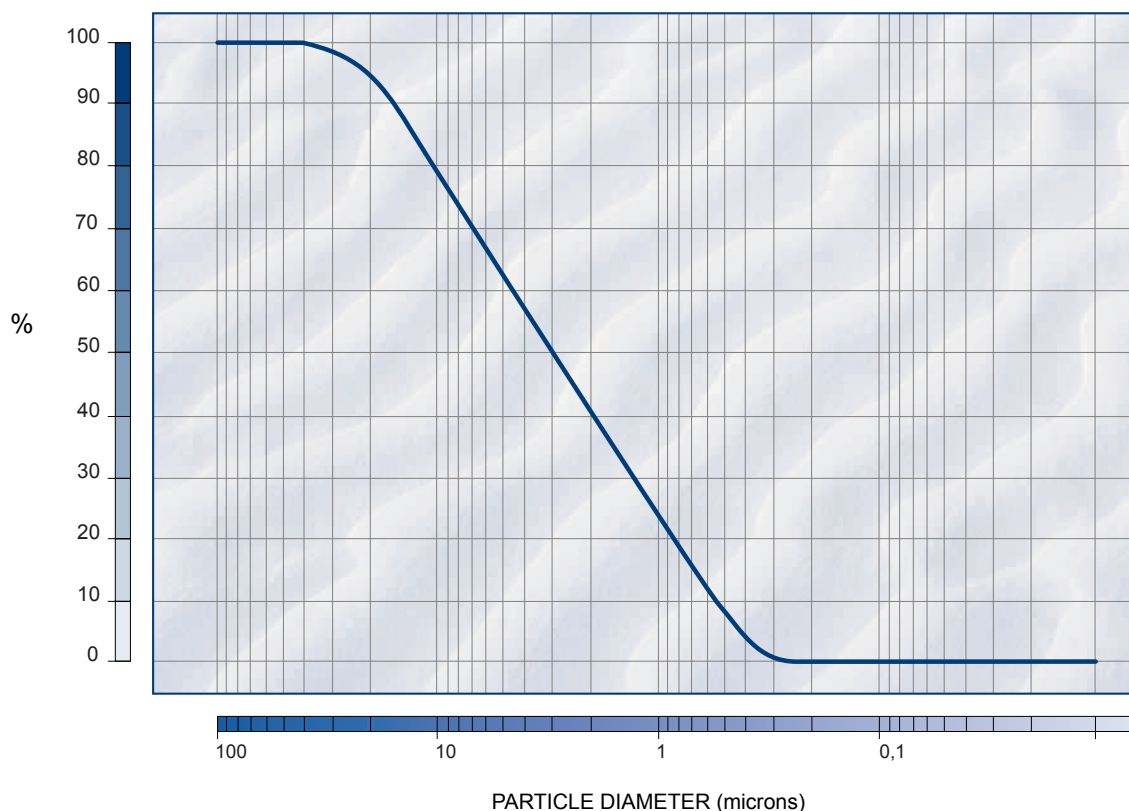
Oil Absorption	19 g/100 g CaCO ₃	ISO 787R/5
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DOP Absorption	33 g/100 g CaCO ₃	ISO 787R/5
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Specific surface area	2.7 m ² /g	B.E.T.
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Bulk density (untamped)	0.75 Kg/l	ISO 787R/11
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GRANULOMETRIC DISTRIBUTION



All data here presented are average values representative of the production and hence they are provided for information purposes only and can not be considered contractual. The product conforms to the requirements of the Food Chemical Codex and the BGA (Germany).

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