

## *MICRONIZED CALCIUM CARBONATE (MC50)*

### *1. Chemical Composition*

CaCO <sub>3</sub>	98.50%
MgCO <sub>3</sub>	0.55 %
Al <sub>2</sub> O <sub>3</sub>	0.050 %
Fe <sub>2</sub> O <sub>3</sub>	0.06 %
Sn	< 0.001 %
Pb	< 0.001 %
Cd	< 0.0001 %
Mn	0.009 %
Cu	< 0.0001 %
SiO <sub>2</sub>	0.80 %
Loss of weight on calcination	48%

### *2. Physical Characteristics*

Granulometry			Method
Statistic mean diameter	50 μm		Mastersizer S
D50	35 μm		Mastersizer S
45 μm residue on sieve	<1 %		ISO 787R/7
200 μm residue on sieve	<0.01 %		
Whiteness	Dry	DOP	Spectraflash S450
L	96.0	74.0	
a	-0.3	-0.9	
b	4.5	12.0	
Moisture		<0.1 %	ISO 787R/2
pH (aqueous sol. 10 %) ISO		9.0	ISO 787R/9
Oil absorption		18 g/100g CaCO <sub>3</sub>	ISO 787R/5
DOP absorption		30 g /100 g CaCO <sub>3</sub>	ISO 787R/5
Specific surface area		1.4m <sup>2</sup> /g	B.E.T.
Bulk density (unstamped)		1 Kg/L	ISO 787R/11

### *3. Main applications:*

Rubber, wrapping paper, gel coat, PVC carpet backing, economic matte paints, mastics, foodstuff, powder soap, ceramics, asphaltic mesh, fertiliser

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