



Talc SM4

Technical data sheet

Mineralogy – XRD

Sheet-silicates	Talc	70 %
	Chlorite	
Other minerals	Magnesite	30 %
	Dolomite	

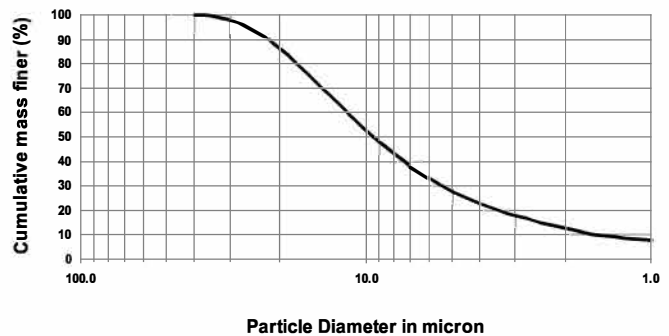
Chromatic coordinates

L* (CIE)	M.I. 93002	86.0
a* (CIE)	M.I. 93002	-1.20
b* (CIE)	M.I. 93002	0.90
Y	M.I. 93002	68.0

Particle Size Distribution

Sedimentation analysis - Sedigraph 5120

Median diameter	D ₅₀	9.5 μm
Top cut	D ₉₈	30.0 μm



Physical Properties

Density	DIN 53193	2.8 g/cm ³
Bulk density	M.I. 93003	0.53 g/cm ³
Tapped density	M.I. 93003	0.95 g/cm ³
Specific Surface (B.E.T.)	DIN 66131/2	3.3 m ² /g
Hardness	Mohs scale	Talc 1 Magnesite/Dolomite 3
Oil absorption	M.I. 93008	31 g/100 g
Moisture content at 105 °C	M.I. 93005	0.2 %

Chemical analyses - A.A.S.

SiO ₂		38.0 %
MgO		30.0 %
CaO		4.0 %
Fe ₂ O ₃		4.0 %
Al ₂ O ₃		3.0 %
Loss on Ignition at 1050°C	M.I. 93009	21.0 %

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