

INDUSTRIAL MINERALS / TALC

CC-Talc 40

Natural talc powder

Hydrated magnesium silicate

$Mg_3Si_4O_{10}(OH)_2$ · CAS 14807-96-6 · HS code 2526.20 · Origin: Egypt

Chemically inert, lamellar (platy) mineral.

SiO₂ CONTENT

60 - 62 %

MgO CONTENT

31 - 33 %

BRIGHTNESS R(Y)

90 ± 1

MOISTURE

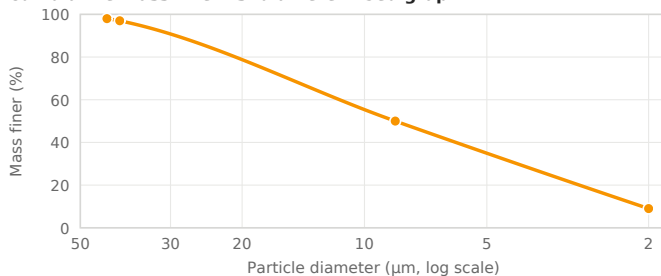
≤ 0.2 %

01 PARTICLE SIZE DISTRIBUTION

PARAMETER	SEDIGRAPH III	MALVERN
D98 (μm)	43 ± 2	64 ± 2
D97 (μm)	40 ± 2	58 ± 2
D50 (μm)	8.4 ± 0.2	13.5 ± 1
Particles < 2 μm (Sedigraph)	8 - 10 %	

Values are reported by the stated method; results from different methods are not interchangeable.

Cumulative mass finer vs. diameter · Sedigraph III



02 CHEMICAL & MINERALOGICAL ANALYSIS

Typical composition · mass % unless stated

SiO ₂	60 - 62
MgO	31 - 33
Al ₂ O ₃	0.3 - 0.5
Fe ₂ O ₃	0.1 - 0.2
CaO	0.14 - 0.3
TiO ₂	< 0.01
Na ₂ O + K ₂ O	< 0.02
L.O.I. (1000 °C)	4.5 - 5.5
Talc content (XRD)	≥ 95
Crystalline silica / quartz (XRD)	≤ 0.5
Asbestos (XRD + PLM)	Not detected

03 PHYSICAL PROPERTIES

Loose bulk density (g/cm ³)	0.54
Tapped density (g/cm ³)	1.05
Oil absorption (ISO 787/5) (g/100 g)	36 ± 1
Specific surface area, BET (m ² /g)	3
Density (ISO 787/10) (g/cm ³)	2.7
Hardness (Mohs)	1
pH value (ISO 787/9)	8
Moisture (ISO 787/2)	≤ 0.2 %
Refractive index	1.57 - 1.59

04 OPTICAL PROPERTIES

Color (ELREPHO)	
Brightness R(Y)	90 ± 1
CIE L*	95.5 ± 1
CIE a*	-0.19
CIE b*	0.48
Yellowness Index (DIN 6167)	1.4 - 1.7

PACKING

25 kg PP/paper bags or 1,000 kg jumbo bags (FIBC) · Store dry in sealed bags

Values are typical and given for guidance only; they do not constitute a specification.

Refer to the SDS for safe handling. This sheet is not a batch certificate of analysis.