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Technical data sheet

Microfil HC3

Mineralogy – XRD

Sheet-silicates	Talc	25 %
	Chlorite	
Carbonates	Calcite	75 %

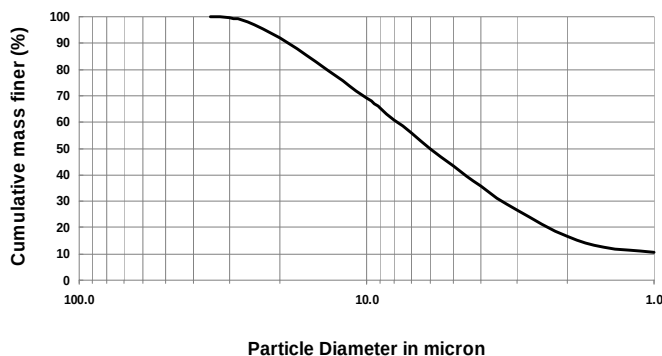
Chromatic coordinates

L* (CIE)	M.I. 93002	97.0
a* (CIE)	M.I. 93002	0.15
b* (CIE)	M.I. 93002	1.80
Y	M.I. 93002	92.0

Particle Size Distribution

Sedimentation analysis - Sedigraph 5120

Median diameter	D ₅₀	6.0 µm
Top cut	D ₉₈	25.0 µm



Physical Properties

Density	DIN 53193	2.8 g/cm ³
Bulk density	M.I. 93003	0.82 g/cm ³
Tapped density	M.I. 93003	1.00 g/cm ³
Specific Surface (B.E.T.)	DIN 66131/2	2.8 m ² /g
Hardness	Mohs scale	Talc 1 Calcite 3
Oil absorption	M.I. 93008	27 g/100 g
Moisture content at 105 °C	M.I. 93005	0.2 %

Chemical analyses - A.A.S.

SiO ₂		18.0 %
MgO		11.0 %
CaO		37.0 %
Fe ₂ O ₃		0.5 %
Al ₂ O ₃		0.5 %
Loss on Ignition at 1050°C	M.I. 93009	33.0 %

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