

FINNTALC M20L

Functional Extender

GENERAL INFORMATION

FINNTALC M20L is a hydrated magnesium silicate with chemical formula of $Mg_3Si_4O_{10}(OH)_2$.

Finntalc grades are purified in a cascade of multiple flotation cells. This process results in a tight definition of the talc composition, making this natural product similar to a synthetic chemical. In combination with a precisely controlled particle size distribution, this ensures exact reproducibility in formulations.

APPLICATIONS

- Paints & Coatings: General purpose architectural paints, industrial top coats and tintable primers.

KEY PROPERTIES

- Pure, lamellar, medium particle size talc, stable whiteness, very hydrophobic, inert and soft.

INCORPORATION

FINNTALC M20L can be used as a functional extender to achieve following results:

Good barrier properties, excellent wet scrub resistance, balanced optical properties, good outdoor durability, low dirty pick-up, good anti-corrosion properties.

LEVELS OF USE

Typical use levels for paints and coatings applications are 5 - 30 % depending upon the application and the desired properties.

Typical use levels for talc in plastics depending on the application. Please contact your local sales representative for advice.

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

Store dry.

SHELF LIFE

FINNTALC M20L has a shelf life of 5 (five) years from the date of manufacture.

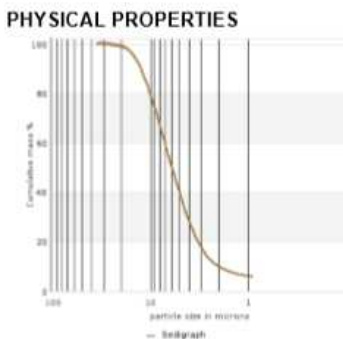
QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 certificate, which guarantees that all operations are conducted according to the stipulated standards.

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MINERALOGY	Talc (Mg-Silicate)		98	%
	Traces of magnesite, dolomite and chlorite			
CHEMICAL PROPERTIES	CAS-No. 14807-96-6	EINECS-No. 238-877-9		
	MgO	XRF	31	%
	SiO ₂	XRF	61	%
	Al ₂ O ₃	XRF	0.2	%
	Fe ₂ O ₃	XRF	2	%
	Fe acid soluble	1mol/L HCl, 100°C	0.1	%
	Loss on ignition	DIN 51081/1000°C	5.4	%
OPTICAL PROPERTIES	pH value	ISO 787/9	9.1	
	Whiteness Ry	DIN 53163	86	%
	ISO brightness R457	ISO 2470	85	%
	CIE L*, a*, b*	DIN 6174	94/-0.4/1	
	Yellowness index	DIN 6167	1.5	
PHYSICAL PROPERTIES	Sedigraph top cut	D98% ISO 13317	19	µm
	Sedigraph median psd	D50% ISO 13317	6	µm
	- Particles < 2 µm		14	%
	Fineness of grind	ISO 1524	50 (4)	µm
	Sieve residue	ISO 787/7, 45 µm	0.1	%
	Specific surface area	BET, ISO 4652	5	m ² /g
	Oil absorption	ISO 787/5	39	g/100g
	Abrasion	Einlehner AT 1000	5	mg
	Hardness	Mohs	1	
	Tapped density	ISO 787/11	0.59	g/cm ³
	Bulk density	DIN 53468	0.35	g/cm ³
	Moisture	ISO 787/2	0.07	%



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