FINNTALC M30LV

Functional Extender

GENERAL INFORMATION

FINNTALC M30LV is a hydrated magnesium silicate with chemical formula of Mg₃Si₄O₁₀(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: high solids general purpose industrial coatings with dry film thickness of 80 - 100 μ m, car repair putties.

KEY PROPERTIES

 Pure, lamellar, coarse particle size talc with reduced oil absorption, stable colour, very hydrophobic, inert and soft.

INCORPORATION

FINNTALC M30LV can be used as a functional

extender to achieve following results:

Reduction of VOC emissions and at the same time improve barrier and anti-corrosion properties of general purpose protective coatings, allow to increase solid content in putties and at the same time improve sandability, application properties and economy of the recipes.

LEVELS OF USE

Typical use levels for paints and coatings applications are 20 - 40 % depending upon the application and the desired properties.

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

 $\ensuremath{\textit{FINNTALC}}$ M30LV 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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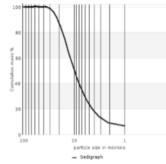
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MINERALOGY

CHEMICAL PROPERTIES

OPTICAL PROPERTIES

PHYSICAL PROPERTIES



Talc (Mg-Silicate) Traces of magnesite, dolor	nite and chlorite	96	%
CAS-No. 14807-96-6	EINECS-No. 238-877-9		
MgO	XRF	31	%
SiO2	XRF	59	%
CaO	XRF	0.05	%
AI2O3	XRF	0.5	%
Fe2O3	XRF	2.6	%
Fe acid soluble	1mol/L HCl, 100°C	0.2	%
Loss on ignition	DIN 51081/1000°C	6	%
pH value	ISO 787/9	9.1	
Whiteness Ry	DIN 53163	80	%
ISO brightness R457	ISO 2470	80	%
CIE L*, a*, b*	DIN 6174	92/-0.4/1.0	
Yellowness index	DIN 6167	1.7	
Top cut D98	Sedigraph, ISO 13317	35	μm
Median particle size D50	Sedigraph, ISO 13317	10	μm
Fineness of grind	ISO 1524	100	μm
Specific surface area	BET , ISO 4652	2.5	m²/g
Oil absorption	ISO 787/5	28	g/100g
Abrasion	Einlehner AT 1000	5	mg
Hardness	Mohs	1	

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