

FINNTALC M30LV

Functional Extender

GENERAL INFORMATION

FINNTALC M30LV 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: high solids general purpose industrial coatings with dry film thickness of 80 - 100 μm , 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

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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MINERALOGY	Talc (Mg-Silicate)		96	%				
	Traces of magnesite, dolomite and chlorite							
CHEMICAL PROPERTIES	CAS-No. 14807-96-6	EINECS-No. 238-877-9						
	MgO	XRF	31	%				
	SiO ₂	XRF	59	%				
	CaO	XRF	0.05	%				
	Al ₂ O ₃	XRF	0.5	%				
	Fe ₂ O ₃	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					
OPTICAL PROPERTIES	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					
PHYSICAL PROPERTIES	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	m ² /g				
	Oil absorption	ISO 787/5	28	g/100g				
	Abrasion	Einlehner AT 1000	5	mg				
	Hardness	Mohs	1					

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