ELEMENTIS

A global specialty chemicals company

FINNTALC M40LV

Functional Extender

GENERAL INFORMATION

FINNTALC M40LV 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: Low VOC heavy duty protective coatings with dry film thickness of 80 - 140 μm, car repair putties.
- Polyester Putties

KEY PROPERTIES

- Pure, lamellar, coarse particle size talc with reduced oil absorption value, special low viscosity impact, stable colour, very hydrophobic, inert and soft.

INCORPORATION

FINNTALC M40LV 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 heavy duty 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 30 - 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 M40LV 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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Enhanced Performance Through Applied Innovation

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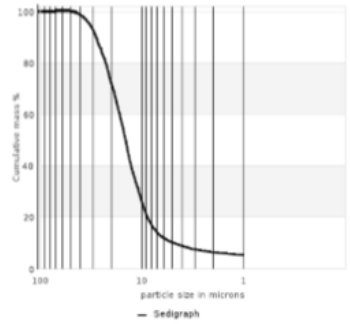
MINERALOGY	Talc (Mg-Silicate)		96	%
	Traces of magnesite, dolomite and chlorite			
	CAS-No. 14807-96-6	EINECS-No. 238-877-9		
CHEMICAL PROPERTIES	MgO	XRF	31	%
	SiO2	XRF	59	%
	CaO	XRF	0.05	%
	Al2O3	XRF	0.5	%
	Fe2O3	XRF	2.6	%
	Fe acid soluble	1mol/L HCl, 100°C	0.2	%
	Loss on ignition	DIN 51081/1000°C	6.1	%
	pH value	ISO 787/9	9.1	
OPTICAL PROPERTIES	Whiteness Ry	DIN 53163	79	%
	ISO brightness R457	ISO 2470	78	%
	Refractive index	Mallard	1.57	
	CIE L*, a*, b*	DIN 6174	91/-0.6/2.0	
	Yellowness index	DIN 6167	3	
PHYSICAL PROPERTIES	Top cut D98	Sedigraph, ISO 13317	38	µm
	Median particle size D50	Sedigraph, ISO 13317	15	µm
	Fineness of grind	ISO 1524	110	µm
	Specific surface area	BET , ISO 4652	2	m²/g
	Oil absorption	ISO 787/5	23	g/100g
	Hardness	Mohs	1	



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