ELEMENTIS

A global specialty chemicals company

FINNTALC M15SLC

Functional Extender

GENERAL INFORMATION

FINNTALC M15SLC 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

- Plastics: For automotive cabin and under the hood, appliances, pipes, powdering, profiles, packaging, sheets and furniture.

KEY PROPERTIES

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

INCORPORATION

FINNTALC M15SLC can be used as a functional extender to achieve following results:

Plastics: Consistent color, low abrasion and longer tool life. Compacted grades are available for low dust generation and easy handling resulting in higher compounding throughput.

LEVELS OF USE

Typical use levels for talc in plastics depending upon 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 M15SLC 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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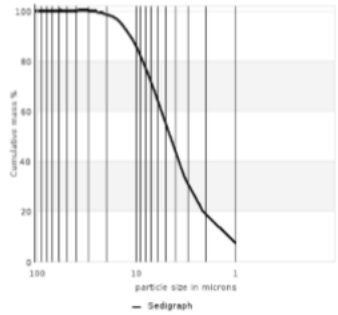
Enhanced Performance Through Applied Innovation

FINNTALC M15SLC

MINERALOGY	Talc (Mg-Silicate)		98	%
	Traces of magnesite, dolomite and chlorite			
	CAS-No. 14807-96-6	EINECS-No. 238-877-9		
CHEMICAL PROPERTIES	MgO	XRF	31	%
	SiO2	XRF	61	%
	CaO	XRF	0.1	%
	Al2O3	XRF	0.5	%
	Fe2O3	XRF	2.1	%
	Fe acid soluble	1mol/L HCl, 100°C	0.1	%
	Loss on ignition	DIN 51081/1000°C	5.4	%
	pH value	ISO 787/9	9.1	
OPTICAL PROPERTIES	Whiteness Ry	DIN 53163	88	%
	ISO brightness R457	ISO 2470	87	%
	Refractive index	Mallard	1.57	
	CIE L*, a*, b*	DIN 6174	95/-0.3/0.8	
	Yellowness index	DIN 6167	1.4	
PHYSICAL PROPERTIES	Top cut D98	Sedigraph, ISO 13317	17.5	µm
	Median particle size D50	Sedigraph, ISO 13317	4.5	µm
	Fineness of grind	ISO 1524	45	µm
	Specific surface area	BET , ISO 4652	6.5	m²/g
	Oil absorption	ISO 787/5	40	g/100g
	Abrasion	Einlehner AT 1000	3	mg
	Hardness	Mohs	1	
	Tapped density	ISO 787/11	0.9	g/cm³
	Bulk density	DIN 53468	0.7	g/cm³
	Moisture	ISO 787/2	0.1	%



V02 Dec. 2019

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