

PLUSTALC H15

Functional Extender

GENERAL INFORMATION

PLUSTALC H15 is a hydrated magnesium silicate with chemical formula of $Mg_3Si_4O_{10}(OH)_2$.

Plustalc grades have a low iron content. Plustalc is suitable for such applications where a higher brightness is required.

APPLICATIONS

- Paints & Coatings: very high whiteness architectural and industrial coatings with dry film thickness of 40 - 60 μm .
- Polyester Putties
- Plastics: For automotive cabin and under the hood, appliances, pipes, powdering, profiles, packaging, sheets and furniture.

KEY PROPERTIES

- Pure, lamellar and very white talc with medium fine particle size, very hydrophobic, inert and soft.

INCORPORATION

PLUSTALC H15 can be used as a functional extender to achieve following results:

Paints & Coatings: Brilliant whiteness for wall coatings inside and outside, good barrier properties, good wet scrub resistance and outdoor durability, good adhesion and sandability.

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 paints and coatings applications are 5 - 15 % depending upon the application and the desired properties.

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

PLUSTALC H15 has a shelf life of 5 (five) years from the date of manufacture.

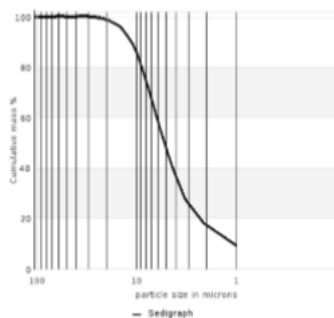
QUALITY ASSURANCE

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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PLUSTALC H15

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	31.5	%
	SiO ₂	XRF	60.0	%
	Al ₂ O ₃	XRF	0.6	%
	Fe ₂ O ₃	XRF	0.5	%
	Fe acid soluble	1mol/L HCl, 100°C	< 0.1	%
	Loss on ignition	DIN 51081/1000°C	7.5	%
	pH value	ISO 787/9	9	
OPTICAL PROPERTIES	Whiteness Ry	DIN 53163	92	%
	CIE L*, a*, b*	DIN 6174	97/0.0/1.3	
	Yellowness index	DIN 6167	2.5	
PHYSICAL PROPERTIES	Top cut D98	Sedigraph, ISO 13317	17	µm
	Median particle size D50	Sedigraph, ISO 13317	5.2	µm
	Fineness of grind	ISO 1524	45	µm
	Specific surface area	BET, ISO 4652	8	m ² /g
	Oil absorption	ISO 787/5	35	g/100g
	Hardness	Mohs	1	
	Tapped density	ISO 787/11	0.5	g/cm ³
	Bulk density	DIN 53468	0.3	g/cm ³
	Moisture	ISO 787/2	0.2	%



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