

PLUSTALC H30

Functional Extender

GENERAL INFORMATION

PLUSTALC H30 is a hydrated magnesium silicate with chemical formula of $Mg_3Si_4O_{10}(OH)_2$.

Plustalc grades are 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 > 80 μm , white and tinted primers.
- Polyester Putties
- Plastics: automotive/cabin, automotive/under the hood, domestic appliances, garden furniture, film, pipes, profiles

KEY PROPERTIES

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

INCORPORATION

PLUSTALC H30 can be used as a functional extender to achieve following results:

- Excellent whitenes for matt architectural coatings, good barrier properties, good outdoor durability.
- Gives good sandability and storage stability for putties.
- Reduction TiO_2 -content in putty formulations.

LEVELS OF USE

Typical use levels for paints and coatings applications are 10 - 30 % 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 H30 has a shelf life of 5 (five) years from the date of manufacture.

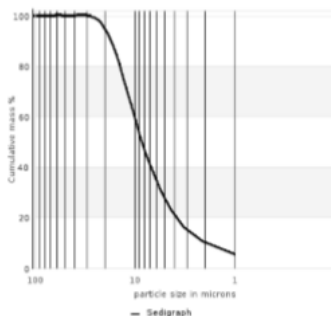
QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 certificates, which guarantees that all operations are conducted according to the stipulated standards.

continued...

PLUSTALC H30

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	91	%
	CIE L*, a*, b*	DIN 6174	96.5/0.0/1.4	
	Yellowness index	DIN 6167	2.7	
PHYSICAL PROPERTIES	Top cut D98	Sedigraph, ISO 13317	26	µm
	Median particle size D50	Sedigraph, ISO 13317	8.3	µm
	Sieve residue	ISO 787/7, 45 µm	0.3	%
	Specific surface area	BET, ISO 4652	6	m ² /g
	Oil absorption	ISO 787/5	33	g/100g
	Hardness	Mohs	1	
	Tapped density	ISO 787/11	0.65	g/cm ³
	Bulk density	DIN 53468	0.45	g/cm ³
	Moisture	ISO 787/2	0.2	%



NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

© Copyright 2019, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Trademark of Elementis Minerals B.V.

V02 Dec. 2019

North America
Elementis
469 Old Trenton Road
East Windsor
NJ 08512, USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe
Elementis UK Ltd.
c/o Elementis GmbH
Stolberger Strasse 370
50933 Cologne, Germany
Tel.: +49 221 2923 2066
Fax: +49 221 2923 2011

Elementis Minerals B.V.
Kajuitweg 8
NL-1041 AR Amsterdam
The Netherlands
Tel.: +31 20 4487 448

Asia
Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563