

# Sodium Trisilicate Granular 340FA

Sodium trisilicate granular is a white free-flowing product with a SiO2/Na2O molar ratio of approximately 3,40 and a solid content of 83%.

## **Product specification**

The following specification parameters will be stated in our Certificate of Analysis:

PARAMETER	VALUE	UNIT	METHOD
Na <sub>2</sub> O	18,0 - 20,3	%	Derived from ISO 1692
SiO <sub>2</sub>	61,7 – 66,1	%	Derived from ISO 2124
Dry matter	80,0 – 86,0	%	Na <sub>2</sub> O + SiO <sub>2</sub>
Molar ratio	3,30 – 3,50	/	ISO 1689
Weight ratio	3,20 – 3,40	/	ISO 1689

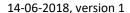
Particle size distribution by Laser diffraction measurement:

PARAMETER	UNIT	340FA-grade	
d10	μm	275 ± 100	
d50	μm	450 ± 100	
d90	μm	650 ± 100	

#### Typical values

The following typical values are given for informational purposes only and are not to be interpreted as product specifications:

PARAMETER	TYPICAL VALUE	UNIT	METHOD
<b>Bulk density</b>	0,750 – 1,000	g/cm <sup>3</sup>	
pH (1%)	10,0 - 12,0	/	
Appearance	White granules	/	





#### **Packaging**

Sodium trisilicate granular is available in:

- 25 kg polyethylene bags on a 1000 kg one way pallet
- 1000 kg big bag on a one way pallet

#### Storage and Shelf life

Sodium trisilicate granular is a hygroscopic product therefore keep the packaging closed and protect the packaging from freezing, rain or direct sun. The product should be stored into a dry warehouse. We guarantee a shelf life of 12 months.

### Safety and Handling

Sodium trisilicates are alkaline products which are classified as irritating. They should be handled with care in order to prevent injuries. Whenever sodium trisilicate as a substance on its own or in a preparation is handled outside closed systems, suitable personal protective equipment (gloves, goggles, dust masks or respirators) is the preferred and only measure of control. We strongly advise to carefully read our corresponding Material Safety Datasheet before using the product.

The information contained herein is based on our testing and experience and is offered for the user's consideration, investigation and verification. Since operating and use conditions vary and since we do not control such conditions, we must DISCLAIM ANY WARRANTY, EXPRESSED OR IMPLIED, with regard to results to be obtained from the use of this product.