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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_2O	18,0 – 20,3	%	Derived from ISO 1692
SiO_2	61,7 – 66,1	%	Derived from ISO 2124
Dry matter	80,0 – 86,0	%	$Na_2O + SiO_2$
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
Bulk density	0,750 – 1,000	g/cm^3	
pH (1%)	10,0 – 12,0	/	
Appearance	White granules	/	

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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.

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