

NADIS™ Sodiumdisilicates

Sodiumdisilicates control the pH value of the washing water. They facilitate a slight swelling of the fibers and thereby increase the washing power of the detergent. They also help to maintain the distribution of the dirt particles in the washing liquid and bind the dissolved iron, which in turn reduces yellowing of the fabric. Furthermore, Sodiumdisilicates protect the washing machine from corrosion.

Because of its low bulk density, **NADIS™ 100G** is also used to adjust the bulk density of the detergent.

NADIS™ 20D is an integrated manufactured Sodiumdisilicate compound with a non-ionic surfactant. It allows a simpler dry-blending production, because it already contains one crucial component.

Over and above a certain minimum quantity, Silkem can produce any compound, if technically possible, according to customers' requirements.

Specification

	NADIS™ 100G	NADIS™ 20D
Appearance	white powder	white powder
Na ₂ O	25 - 28 %	
SiO ₂	53 - 58 %	
Module (ratio SiO ₂ : Na ₂ O)	2.0 - 2.2	
Alkyl benzene sulfonate		20 ± 2.0 %
Sodiumdisilicate M=2		80 ± 2.0 %
Loss at ignition, 1hr at 700°C	16 ± 3 %	
Bulk density	80 - 130 g/L	220 ± 50 g/L
Particle size, average	700 ± 100 μ	600 ± 100 μ

Packaging

Paper bags, on pallets		12.5 kg/bag, 375 kg/pallet
Big bags	140 kg/big bag	400 kg/big bag
Additional packaging possibilities on request		

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Version 07-08

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