

PURABYK-P 5540

Untreated, natural phyllosilicate in powder form with excellent whiteness, large specific surface area, and high degree of fineness. Protects fibers from encrusting and keeps fabrics soft.



Product data

Composition

Phyllosilicate

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Bulk density:	300 – 500 kg/m ³
pH value (5 % in water):	8 – 10
Water content:	max. 12 %
Particle size distribution D50:	7 µm
Particle size distribution D90:	30 µm
Degree of whiteness (Hunter L):	min. 90
Color:	off-white
Delivery form:	powder

Storage and transportation

The product is slightly hygroscopic and should be transported and stored dry in the unopened original container at temperatures between 0 °C and 30 °C.

Special note

PURABYK-P 5540 is a non-organic raw material verified by ECOCERT GREENLIFE, conform to the "NATURAL DETERGENTS AND NATURAL DETERGENTS MADE WITH ORGANIC (v6 – August 2022 – including all sub-versions)" standard. 100 % of the total ingredients are from natural origin.

Applications

Home Care and I&I

Special features and benefits

PURABYK-P 5540 has a remarkable fabric softening effect, for which bentonite clays (phyllosilicates) are well known, especially on cotton and wool. The conventional explanation is that bentonite prevents fibers from encrusting with calcium and magnesium salts, and instead deposits as a thin protective layer on the fibers itself. In this way, the slip effect of the phyllosilicate platelet stacks spreads to the fabric, which gives laundry a soft touch. Even ironing is made easier. PURABYK-P 5540 is hydrophilic and absorbs sweat, which increases

the wear comfort of the clothing. PURABYK-P 5540's high degree of whiteness also meets exceptionally demanding visual requirements.

Recommended use

PURABYK-P 5540 can be used as an additive component in liquid and powder detergents, because it is compatible with all included raw materials. This allows softening to take effect in the washing process.

Detergents	<input checked="" type="checkbox"/>
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especially recommended recommended

Recommended levels

10–15 % additive (as supplied) based upon the total formulation, depending on the properties of the formulation to be achieved. The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series

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Incorporation and processing instructions

PURABYK-P 5540 is hydrophilic and can be added as supplied to the detergent formulation.



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