

AQUACER 1510

Polypropylene wax emulsion for aqueous glass fiber sizings to improve the mechanical properties in glass fiber-reinforced PP compounds and to enhance the surface properties of aqueous care products and polishes, in particular for a strong anti-slip effect and good dirt repellency.

Product data

Composition

Non-ionic emulsion of a modified polypropylene wax

Typical properties

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

pH value:	9
Non-volatile matter (60 min, 125 °C):	40 %
Carrier:	water
Melting point (wax content):	160 °C
Viscosity (23 °C, D=800/s):	ca. 40 mPa·s

Storage and transportation

Temperature sensitive. To be stored and transported between 5 °C and 35 °C. Mix well before use.

Applications

Glass fiber sizings

Special features and benefits

AQUACER 1510 is recommended for use in aqueous glass fiber sizings to reinforce polypropylene thermoplastics. The additive improves the tensile strength and the modulus of elasticity.

Recommended levels

10–50 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and processing instructions

The additive is preferably incorporated at a low shear rate. Mix well before use.

Care products and polishes

Special features and benefits

AQUACER 1510 slightly improves the polishability, increases the fill capacity and produces a strong anti-slip effect. These properties are generated by mixing the additives with polymers in a ratio of 3 : 1 (solid wax to solid polymer). A mixing ration of 1 : 6 increases the water and alcohol resistance and the dirt-repellent effect, and protects against foot traffic (= black heel marking resistance).

Recommended use

AQUACER 1510 is recommended for use in self-shine emulsions and polishes.

Recommended levels

2.5–7.0 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

The wax additive is preferably added while stirring after blending the polymers with the plasticizers and water, but prior to incorporating surface-active substances.

Special note

AQUACER 1510 is compatible with all known polymer dispersions and plasticizers. It can also be combined with other wax emulsions as required.



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This issue replaces all previous versions.