

LAPONITE-JS

Synthetic phyllosilicate for aqueous systems to provide clear, smooth, anti-static, static dissipative, and electrically conductive coatings on paper and filmic substrates.

Product data

Composition

Modified synthetic phyllosilicate

Typical properties

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

Bulk density:	1000 kg/m ³
pH value (2 % in water):	9.8
Delivery form:	powder

Storage and transportation

Product shelf life in unopened original packaging: 48 months
To be stored and transported between 0 °C and 35 °C.

Applications

Paper coatings

Special features and benefits

- Produces clear, electrically conductive, and anti-static coatings

Recommended use

LAPONITE-JS can be used to make ESD materials. More specifically, LAPONITE-JS is particularly suitable for producing smooth, clear, electrically conductive, static dissipative, and antistatic coatings on paper, film, and other surfaces.

Recommended levels

5-90 % 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

LAPONITE-JS is hydrophilic and easy to work into water. To ensure optimal distribution, effectiveness, and reproducibility, the additive must be added to water (20 °C ± 5 °C) slowly while stirring, and pre-dispersed for at least 20 minutes. For optimum results, the concentration of LAPONITE-JS in this pre-mix should not exceed 20 %. The dispersion can be used as soon as it is clear and no undispersed particles are visible. The viscosity of the pre-mix will begin to rise at high solids content.

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