

LAPONITE SL25

Product Data

Special Features and Benefits

LAPONITE SL25 is a ready-for-use liquid dispersion of synthetic layered silicate modified with a patented dispersing agent. Supplied at 25 % solids content in water, LAPONITE SL25 is a translucent and colourless low viscosity liquid dispersion. On addition to formulations containing e.g. resins, surfactants or pigments, highly thixotropic gels are formed rapidly.

Recommended Use

LAPONITE SL25 is used to impart a shear sensitive structure to a wide range of waterborne formulations including DIY and industrial surface coatings, household cleaners, ceramic and agrochemical products. LAPONITE SL25 dispersions may be coated onto paper or other surfaces to give smooth, coherent, and electrically conductive films.

Typical Properties

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

Appearance:	Free flowing translucent liquid
Bulk Density:	1100-1200 kg/m ³
Specific density (of Laponite solid content):	2.5
pH as supplied:	8-10
Typical solids content:	21.5-25 %

Incorporation and Processing Instructions

LAPONITE SL25 is supplied ready-for-use and may be added to formulations at any point during manufacture.

Storage and Transportation

LAPONITE SL25 should be stored under dry, cool conditions for a maximum of 12 months. Exposure to high temperatures or frost may reduce the longer term storage stability of the dispersion. Exposure to frost does not damage performance of the product; if material becomes accidentally frozen, allow it to thaw slowly and stir the dispersion well before use. The low viscosity liquid dispersion of LAPONITE SL25 can show phase on prolonged storage. It should be stirred until homogeneous before use.

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