

# LAPONITE EP

## Product Data

### Special Features and Benefits

LAPONITE products are used to improve the performance and stability of a wide range of water based formulated products.

LAPONITE EP is a layered silicate manufactured from naturally occurring mineral sources with a proprietary organic modification. It is particularly effective in:

- formulations with highly acidic, or with highly alkaline pH levels
- products with higher levels of dissolved salts
- formulas that require spray-with-cling rheology
- systems containing higher levels of water soluble organic solvents
- stabilizing suspensions of pigments and minerals

### Recommended Use

Used for imparting a shear sensitive structure to water based systems, including household and industrial surface coatings, household and I&I cleansers, ceramic glazes and agrochemical, oilfield and horticultural products.

### Typical Properties

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

Appearance:	Free flowing white powder
Bulk Density:	900-1100 kg/m <sup>3</sup>
Specific density:	2.1
pH (2 % suspension):	9-11
Free Moisture:	10 % Max

### Incorporation and Processing Instructions

LAPONITE EP must be pre-dispersed in water before addition of other formulation ingredients. The product should be added to water with rapid stirring. Continue stirring for a minimum of ten minutes. Note that LAPONITE EP will produce gel structure in water more quickly than other grades of LAPONITE. After ageing the pre-mix for a further 15-20 minutes, other formulation ingredients can be added into the LAPONITE EP dispersion.

### Storage and Transportation

Laponite products are hygroscopic and should be stored in original packaging under dry conditions.

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