

# LAPONITE B

## The Clear Leader

### Product Data

#### Special Features and Benefits

LAPONITE B is a synthetic layered fluorosilicate. It is insoluble in water but hydrates and swells to give translucent, colorless colloidal dispersions. At 2 % concentration in water, highly thixotropic gels are obtained.

#### Recommended Use

Used for imparting shear sensitive structure to waterborne formulations.

#### 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:	1000 kg/m <sup>3</sup>
Surface Area (BET):	330 m <sup>2</sup> /g
pH (2 % suspension):	9.4
Chemical Composition (dry basis) SiO <sub>2</sub> :	55.0 %
Chemical Composition (dry basis) MgO:	27.0 %
Chemical Composition (dry basis) Li <sub>2</sub> O:	1.4 %
Chemical Composition (dry basis) Na <sub>2</sub> O:	3.8 %
Chemical Composition (dry basis) F:	5.6 %
Chemical Composition (dry basis) Loss on Ignition:	7.2 %
Gel strength:	15g min, QA Test Code: ELP-L-1D
Sieve Analysis:	1 % Max >250 microns, QA Test Code: ELP-L-6A
Free Moisture:	10 % Max, QA Test Code: ELP-L-5A

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