

LAPONITE XLG

The Clear Leader

Product Data

Special Features and Benefits

LAPONITE XLG is a synthetic layered silicate with a low heavy metals content. It is insoluble in water but hydrates and swells to give clear and colourless colloidal dispersions in water or aqueous solutions of alcohols. At concentrations of 2 % or greater in water, highly thixotropic gels are obtained.

Recommended Use

Used for imparting a shear sensitive structure to a wide range of personal care 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:	1000 kg/m ³
Surface Area (BET):	370 m ² /g
pH (2 % suspension):	9.8
Chemical Composition (dry basis) SiO ₂ :	59.5 %
Chemical Composition (dry basis) MgO:	27.5 %
Chemical Composition (dry basis) Li ₂ O:	0.8 %
Chemical Composition (dry basis) Na ₂ O:	2.8 %
Chemical Composition (dry basis) Loss on Ignition:	8.2 %
Pb:	<3ppm
As:	<1ppm
Sb:	<2ppm
Cd:	<2ppm
Ba:	<4ppm
Hg:	<2ppm
Gel strength:	22g min, QA Test Code: ELP-L-1H
Sieve Analysis:	2 % Max >250 microns, QA Test Code: ELP-L-6A
Free Moisture:	10 % Max, QA Test Code: ELP-L-5A
Lead:	5mg/kg Max, QA Test Code: ELP-L-16A
Arsenic:	1mg/kg Max, QA Test Code: ELP-L-17A

Storage and Transportation

Laponite is hygroscopic and should be stored under dry conditions.

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This issue replaces all previous versions – Printed in Germany