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Laponite XLG

The Clear Leader

Description

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.

Application

Used for imparting a shear sensitive structure to a wide range of personal care products. For formulation information refer to Laponite Technical Bulletin L211/97/d.

Typical Characteristic

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 SiO ₂ 59.5% MgO 27.5% Li ₂ O 0.8% Na ₂ O 2.8% Loss on Ignition 8.2%	(dry basis) Pb <3ppm As <1ppm Sb <2ppm Cd <2ppm Ba <4ppm Hg <2ppm
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General Specifications

Gel strength Sieve Analysis Free Moisture Lead Arsenic	22g min 2% Max >250 microns 10% Max 5mg/kg Max 1mg/kg Max	Rockwood QA Test Code ELP-L-1H ELP-L-6A ELP-L-5A ELP-L-16A ELP-L-17A
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Specifications can be agreed to meet individual requirements.

Storage

Laponite is hygroscopic and should be stored under dry conditions.

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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