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Laponite RD The Clear Leader

Description

LAPONITE RD is a synthetic layered silicate. It is insoluble in water but hydrates and swells to give clear and colorless colloidal dispersions. At concentrations of 2% or greater in water, highly thixotropic gels can be produced.

Application

Used for imparting a shear sensitive structure to a wide range of waterborne formulations. These include household and industrial surface coatings, cleansers, ceramic glazes agrochemical, oilfield and horticultural products.

Typical Characteristic

Appearance free flowing white powder
Bulk Density 1000 kg/m³
Surface Area (BET) 370 m²/g
pH (2% suspension) 9.8

Chemical Composition (dry basis)	
SiO ₂	59.5%
MgO	27.5%
Li ₂ O	0.8%
Na ₂ O	2.8%
Loss on Ignition	8.2%

General Specifications

Gel strength	22g min
Sieve Analysis	2% Max >250 microns
Free Moisture	10% Max

Rockwood QA Test Code
ELP-L-1H
ELP-L-6A
ELP-L-5A

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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