



SOUTHERN CLAY PRODUCTS / A SUBSIDIARY OF ROCKWOOD SPECIALTIES, INC.

PRODUCT BULLETIN/Laponite®



ROCKWOOD
ADDITIVES

Southern Clay Products, Inc.
1212 Church Street
Gonzales, TX 78629
Phone: 800-324-2891
Fax: 830-672-1903
www.scprod.com

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)

SiO₂ 59.5%
MgO 27.5%
Li₂O 0.8%
Na₂O 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.

Disclaimer of Warranty: The information presented herein is believed to be accurate but is not to be taken as a warranty, guarantee, or representation for which we assume legal responsibility. This information does not grant permission, license, or any rights or recommendations to practice any form of proprietary intellectual property without obtaining the appropriate license or grant from the property owner. The information is offered solely for your consideration, investigation and verification, but you must determine the suitability of the product for your specific application. The purchaser assumes all risk of use of handling the material, including but not limited to transferring the material within purchaser's facilities, using the material in applications specified by the purchaser and handling any product which includes the material, whether or not in accordance with any statements made herein.