

DESCRIPTION

MIN-U-GEL[®] FG is a hydrous magnesium aluminum silicate with gelling and rheological properties used to thicken and stabilize aqueous systems. MIN-U-GEL[®] FG can be used alone or in conjunction with associative thickeners where a low shear thixotrope is needed to support the high shear thixotropy of the associative thickener.

TYPICAL PHYSICAL PROPERTIES

Free Moisture, wt. % @ 220°F	11.5
-325 Mesh Particles (Alpine Air Sieve), %	77
Residue on 50 Mesh Screen (Wet Test), %	0
Dispersion Viscosity of 7% Clay in Water (Brookfield), cps	3,350
Brabender Viscosity Initial	950
Brabender Viscosity Final	715
pH	9.3
Color	Light Cream

TYPICAL CHEMICAL ANALYSIS

SiO ₂	66.21%	MgO	9.70%
Al ₂ O ₃	11.71%	K ₂ O	1.07%
Fe ₂ O ₃	4.02%	CO ₂	2.57%
TiO ₂	0.55%	SO ₄	0.25%
P ₂ O ₅	0.99%	Other	0.01%
CaO	2.92%	Specific Gravity	2.40 g/ml

(Although the elements are reported as oxides, they are actually present as complex aluminosilicates.)

TYPICAL APPLICATIONS

- Drywall joint compounds
- Sealants and mastics
- Ceiling and wall texture compounds
- Patching and spackling compounds
- Caulking compounds

All of the above information provided is presented in good faith, based on our testing and experience, and believed to be accurate. No guarantee, either expressed or implied, is made with respect to the infringement of any patent. These values represent typical data from samples taken from production batches. They are not to be considered specifications. Results may vary depending upon equipment and procedures. The user of these materials is responsible for determining its suitability for their application.

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