

Min-U-Gel® 500+

Attapulgite Clay



Description:

MIN-U-GEL® 500+ mineral product is a hydrous magnesium aluminum silicate with gelling and rheological properties used to thicken and stabilize liquid systems, control syneresis, and reduce pigment floating and flooding. A specially engineered fine particle size gives the 500+ grade superior characteristics for suspension and syneresis control.

MIN-U-GEL 500+ attapulgite product can be used alone or in conjunction with associative thickeners where a low-shear thixotrope is needed to supplement the high-shear rheology of an associative thickener. **MIN-U-GEL 500+** product maintains its high performance independent of pH, ionic concentration, or biological attack. The product is designed to be effective in a variety of coating formulations including solvent based systems such as oil and alcohol.

Consistent quality of Active Minerals products is assured through a company-wide Quality Management System (QMS) and compliance with ISO 9001 standards. Certified to ISO 9001:2015.

Typical Physical Properties:

Mean data, not a specification.

Moisture, as Produced (%)	13.75
-25 Micron Particles (-325 Airjet Sieve)	99.5
Residue, 325 Mesh Wet Screen (%)	0.0075
Dispersion Viscosity (cps)	12,600
Bulk Density – Tamped (lbs/ft ³)	32.15
pH	10.38
Color	Light Cream

Typical Chemical Analysis (%)*:

Mean data. Not controlled to a specification.

SiO ₂	66.2
Al ₂ O ₃	12.1
Fe ₂ O ₃	4.2
CaO	2.8
MgO	9.9

Packaging:

Bags:	50 lb
Bulk Bags:	1 MT, no pallet
	2,000 lbs, with pallet (US)

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

Active Minerals International, LLC • 34 Loveton Circle, Suite 100, Sparks, Maryland 21152
Tel : +1-410-825-2920 • info@activeminerals.com • www.activeminerals.com

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.

© Min-U-Gel is a registered trademark of Active Minerals International, LLC. All rights reserved.

V1 September 2023