

SEPIOGEL R

Technical Data

DESCRIPTION

SEPIOGEL R is a moderately fine sized sepiolite clay, commonly used in liquid feed supplements, suspension fertilizers, industrial thickening and filler applications.

Sepiolite is a hydrous magnesium silicate clay mineral, $Mg_8Si_{12}O_{30}(OH)_4(OH_2)_4(H_2O)_8$. It is a light weight, non-swelling, porous clay with very high surface area and a lathe-like physical structure. This unique structure forms a gel when mixed in aqueous systems. The very low cation exchange capacity makes it stable such that it will maintain viscous properties in a brine solution

TYPICAL PHYSICAL PROPERTIES

Appearance	Off-White Powder
Moisture	14%
Bulking Value ¹	0.0518 U.S. Gal./lb.
Bulk Density	38 lbs/ft ³
Particle Size	75% - 200 Mesh
Viscosity ²	6000 cP Average

The above properties are typical and not intended to be product specifications. ¹Increase in volume when one pound of Sepiogel R is added to a liquid. ²Viscosity measured by Brookfield at 30 seconds, mixed at 6% solids with high shear mixer.

INCORPORATION

In aqueous systems, Sepiogel R should be subjected to high shear for optimum development of viscosity. Hot water may help hydration and dispersion. Sepiogel R is compatible with vegetable gums such as guar, xanthan gum, CMC, HEC and EHEC. If finer particle size is required, IGS or Sepiogel F is available.

PACKAGING

Available in bulk, bulk bags, and 50 lb. (3-ply natural bags). Shipped on 42x42 non-returnable pallets.

STORAGE

Store in a cool, dry place protected from outside weather conditions.

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