

O58903 Attapulgit

Attapulgit is a colloidal magnesium-aluminium-hydrosilicate, which is quarried near Attapulgit, Georgia (USA).

Attapulgit is a thermally activated, powdered attapulgit mineral that is suitable for a wide range of sorbent and filtration applications. It has a high level of sorptivity and an intermediate level of particle strength.

Chemical composition: $(\text{Mg,Al})_5\text{Si}_8\text{O}_{20} \cdot 4\text{H}_2\text{O}$

Typical Properties:

Physical form	Pulverized powder
Color	Light cream
Average particle size	31 microns
Particle size, % minus 100 mesh	92 %
Free moisture (220°F)	6
Volatile matter at 1200°F, moisture free basis	8 %
Specific gravity (g/cm ³)	2.4
Bulk density	39 lbs/ft ³ 497 kg/m ³
pH-Value (in dispersion)	9.1

Application information:

Attapulgit are effective as filtration aids and sorbents in a variety of applications. Filtration systems using such sorbents are used to filter contaminants from a variety of fuels and oils. In addition, these powdered grades act as agricultural sorbents or carriers for active ingredients such as pesticides and herbicides. Attapulgit as filtration aid is recommended where the feed concentration of water as a contaminant is low.