



GEL-701P

DESCRIPTION

GEL 701P is an ultra fine, high performance attapulgite clay that provides superior thixotropic properties in liquid systems including paints, adhesives, sealants, asphalt cutbacks /emulsions and foundry coatings.

TYPICAL PROPERTIES

Free Moisture, as produced (Weight percent @ 105° C).....	12
pH.....	10
Specific Gravity.....	2.35
Loose Bulk Density (pounds/feet ³).....	10.00
Bulking Value (pounds/gallon).....	19.60
B.E.T. area, m ² /gm.....	122
Average Particle Size, microns (Malvern Mastersizer).....	8
Screen Residue, +325 Mesh (Wet, weight percent).....	0.0
Oil Absorption (ASTM-D281).....	113

APPLICATION PROPERTIES

GEL 701P is an ultra fine colloidal inorganic, attapulgite clay made up of three dimensional chains of needle like bundles specially processed to provide gel structure at rest and fluid when agitated network. During dispersion these bundles of needles disassociate to form a random lattice network that entraps liquid to increase viscosity of the system. Excellent gel network is provided by hydrogen bonding between acicular particles and the entrapped liquid.

- Reduced liquid separation and pigment settling
- Stable Viscosity without biodegradation
- Enhanced sag resistance
- Improved flow and leveling
- Improved spatter resistance
- Improved tint strength/hiding
- Reduced water sensitivity

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The information and data contained herein are believed to be accurate, but the manufacturer makes no warranty with respect thereto and disclaims responsibility for reliance thereon. This data relates only to the specific material described herein, and does not relate to use in connection with any other materials or in any process.

The manufacturer makes no warranties, express or implied, concerning this product. No warranty of fitness for any particular purpose is made, and we assume no responsibility whatever for any use of this product. This product should be used by properly trained personnel, and in compliance with applicable health and safety laws and regulations.

WARNING: This product contains free Silica (Quartz). Repeated and prolonged inhalation of dust in excess of TLV-TWA may cause delayed lung injury (Silicosis). Follow applicable OSHA, MSHA, or NIOSH standards for Crystalline Silica (Quartz). IARC has classified Crystalline Silica in Group 1, Carcinogenic to Humans, based on sufficient evidence for the carcinogenicity of Crystalline Silica in humans. The National Toxicology Program has listed crystalline silica (respirable) as a substance, which may reasonably be anticipated to be a carcinogen. Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer.