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Technical Data Sheet
Attapulgite

Product Identification

Product Name : Attapulgite
Chemical Name : Natural Magnesium Aluminum Silicate
Synonyms : Palygorskite Clay, Attapulgite Clay
CAS No : 12174-11-7
EC No. : 235-149-1
Origin : Natural Mineral Clay

Product Description

Attapulgite is a naturally occurring magnesium aluminum silicate clay mineral possessing excellent adsorption, suspension, thickening and rheological properties. It is widely used in fertilizers, animal feed, absorbents, pesticides, drilling fluids, water treatment, paints, coatings and various industrial applications.

Specifications

Sr. No.	Parameter	Specification
01	Appearance	Off-White to Light Brown Powder/Granules
02	Odor	Odorless
03	pH (10% Slurry)	7.0 – 9.5
04	Moisture Content	Max. 12.0%
05	Specific Gravity	2.0 – 2.4
06	Bulk Density	450 – 850 kg/m³
07	Oil Absorption	80 – 120%
08	Water Absorption	High
09	Solubility	Insoluble in Water (Forms Stable Suspension)
10	Particle Size	As per Customer Requirement

Applications:

Fertilizer Industry : Carrier for Granular and Powder Fertilizers
Feed Industry : Animal Feed Binder, Anti-Caking Agent
Agriculture Industry : Pesticide and Agrochemical Carrier
Oil & Chemical Industry : Oil Spill and Chemical Absorbent
Drilling Industry : Drilling Mud and Rheology Modifier
Water Treatment : Adsorbent and Filtration Media
Industrial Applications : Paints, Coatings, Ceramics, Cat Litter, Industrial Absorbents

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Storage & Handling:

- Store in a cool, dry and well-ventilated area.
- Keep containers tightly closed when not in use.
- Protect from moisture and contamination.
- Avoid excessive dust generation during handling.
- Maintain good housekeeping and ventilation practices.

Packing:

- 25 Kg HDPE Bags with Inner Liner
- 50 Kg HDPE Bags with Inner Liner
- 500 Kg Jumbo Bags
- 1000 Kg Jumbo Bags

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