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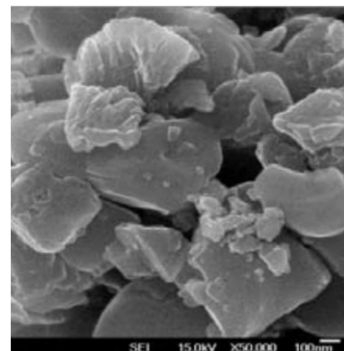


Nanoclay Powder

NS6130-09-901

Purity
>99%
 CAS No.
1332-58-7

Nano-clay comprised of thin layers and each layer has a thickness of one to a few nanometers length from a few hundred to several thousand nanometers. Nanoparticles are utilized as fillers or additives in polymers for variety of desirable effects are receiving an increased interest for research and development. Different types of nanoparticles, such as nanocarbon, carbon nanotubes, nano-clays, and metal oxides, are recently employed to modify the polymer performance.



The viable interest is in the utilization of nano-clays for the alteration of polymeric material for numerous applications. This may be indicated from the increased commercial interest, and utilization of clay nanocomposites. It is an organic and hydrophilic. Moreover, the nanoclays are added in the polymers to increase the mechanical properties of polymers. In the nanocomposites, the permeability of the gases such as oxygen, carbon dioxide can be reduced by the addition of nanoclays. Nano clays have wide range of applications in food-packaging, pharmacy, used as a drug vehicle, textile industry etc.

Technical Specification:

Crystal System	Molecular Weight	Density	Softening Point	Moisture
Monoclinic	258.16 g/mol	2.6 g/cm ³	980 °C	1-3%

Chemical Composition

Product	Weight Percent (nominal)	
		Other Metal
Nanoclay Powder	>99.9 %	7000 ppm

Applications:

- ✓ Medicine
- ✓ Pharmacy
- ✓ cosmetics
- ✓ Catalysis
- ✓ Food packaging
- ✓ Textile industry
- ✓ Environmental protection and remediation.



APS:
80-100nm


 ISO 9001:2015
 CERTIFIED COMPANY

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