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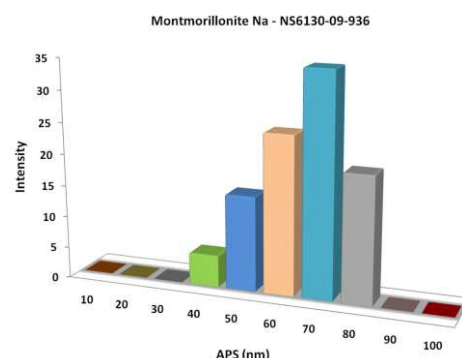
NS6130-09-936

Purity
99.9%
 CAS No.
N/A

Montmorillonite Shelsite Nanoclay

Montmorillonite (MMT) is a subgroup of smectite minerals. It is comprised of an Al sheet between two Si sheets arranged into tetrahedral-octahedral-tetrahedral (TOT) layers. In MMT, more than 50% of the permanent negative charge originates from substitutions of divalent cations for Al³⁺ in the octahedral sheet.

The MMT clays exhibits physicochemical properties and so MMT interlayer have been employed to great advantage in engineered barriers, nanocomposite materials, and pharmaceutical and biomedical applications. Montmorillonites used in polymer compounds as functional fillers so far are based on natural sodium bentonites. It has more specific surface area and higher cation exchange capability.



Technical Specification:

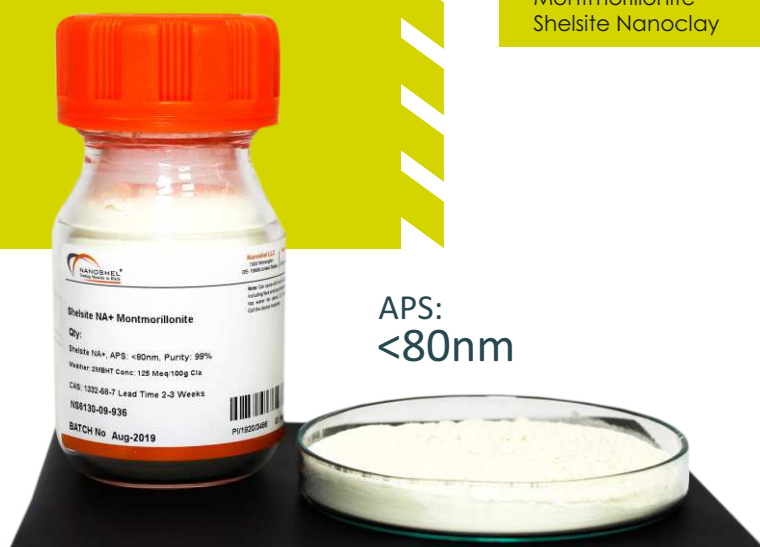
Tensile	Modulus of elasticity	Density	pH	Hardness
101MPa	4.6GPa	2.38 g/cm ³	9.0	83

Chemical Composition

Product	Weight Percent (nominal)	
		Other Metal
Montmorillonite Shelsite Nanoclay	99.9%	8500 ppm

Applications:

- ✓ Engineered barriers
- ✓ Nanocomposite materials
- ✓ Pharmaceutical
- ✓ Biomedical applications.

ISO 9001:2015
CERTIFIED COMPANY

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