

**NS6130-09-909**

# PERLITE CLAY MIX

## Quick Facts

Product	:	Perlite Clay Mix
Stock No	:	NS6130-09-909
CAS	:	1332-58-7
Purity	:	>99%
APS	:	<80nm

**Purity**  
**>99%**

Perlite is an amorphous volcanic glass that has a relatively high water content, typically formed by the hydration of obsidian. Perlite composes either  $Al^{3+}$  or  $Mg^{2+}$  and  $Fe^{2+}$  as normal octahedral ions, and tetrahedral sheets in which  $Al^{3+}$  occurs as a substituted ion in place of some of the  $Si^{4+}$ . Perlite is different from the micas in that it contains hydrated cations alternatively unhydrated  $K^{+}$  in the interlayer space. It is a lightweight and excellent insulator. In the construction and manufacturing fields, it is used in lightweight plasters, concrete and mortar, insulation and ceiling tiles. used in foundries, cryogenic insulation, and ceramics (as a clay additive). It is also used by the explosives industry.

## Applications

- Aerospace and Defense
- Cutting Tools
- Wear-resistant Components
- High-temperature Applications
- Electronics and Semiconductor Manufacturing
- Additive Manufacturing (3D Printing)



Follow us:



| [www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015  
CERTIFIED COMPANY

**INTELLIGENT MATERIALS PVT LTD**  
Derabassi  
Punjab (140507)  
INDIA

+91 9779 550077, 9779238252

**NANOSHEL UK LIMITED**  
Chapel House,  
Chapel St Cheshire,  
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

**NANOSHEL LLC**  
3422 Old Capitol Suit  
1305 Wilmington DE - 19808  
United States

+1 646 470 4911