

NS6130-02-220

BARIUM FERRITE Nanoparticles

Quick Facts

Product	:	Barium Ferrite Nanoparticles
Stock No	:	NS6130-02-220
CAS	:	12047-11-9
Molecular Formula	:	BaFe ₁₂ O ₁₉
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
1111.46 g/mol	5.28 g/cm ³	1316°C	60nm

Barium ferrite has been considered for long term data storage. The material has proven to be resistant to a number of different environmental stresses, including humidity and corrosion. Barium ferrite is used in applications such as recording media, permanent magnets, and magnetic stripe cards (credit cards, hotel keys, ID cards). It is used in textile, fibers, plastics, and coating manufacturing industries for retardation purposes. It is being used in certain applications such as antennas, radar systems, electromagnetic shields, and tunable filters.



Application

- ✓ Magnetic Stripes
- ✓ Speaker magnets
- ✓ Linear Tape-Open
- ✓ Magnetic fingerprint

BaFe₁₂O₁₉
APS 60nm



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