

#### NS6130-02-220

# **BARIUM FERRITE**

## Quick Facts

Nano	part	icles

Product	:	Barium Ferrite Nanoparticles
Stock No	:	NS6130-02-220
CAS	:	12047-11-9
Molecular Formula	:	BaFe12O19
Form	:	Powder

**Purity** 99.9%

#### Technical Specification

Molecular Weight	Density	Melting Point	APS
1111.46 g/mol	5.28 g/cm <sup>3</sup>	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



### BaFel2019 APS 60nm



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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

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