WHAT IS BARIUM FERRITE AND WHAT THIS MEANS TO YOU

How do we bring new value, improved performance, and superiority through innovation? The answer lies in Barium Ferrite Magnetic Particles. Here’s how:

IT STARTS WITH BETTER PARTICLES

Metal Particles vs Barium Ferrite

- **Metal Particles**: Needle Shaped
  - Particles Demagnetize
  - Non-uniformity causes noise

- **Barium Ferrite**: Hexagon Shaped
  - Particles don’t demagnetize
  - More particles in one bit cell

**Small Smaller Particle Size**

**High Magnetic Property**

**Oxidized Material**

**Perpendicularly Magnetized**

LONGER ARCHIVAL LIFE

BaFe tape shows no loss of magnetic signal

A More Stable Recording gives you extended drive life, improved tape signal and lower error rate.

30+ YEARS OF ARCHIVAL LIFE

Barium Ferrite is a chemically stable material with no magnetic property loss

On April 9th 2015, Fujifilm & IBM announced the achievement of a tape areal density of 123 billion bits per square inch, using BaFe. This means a potential native tape capacity of 220TB, 88 times greater than today’s LTO6. Equivalent to the printed text of 220 million books, requiring over 1,300 miles of bookshelves!