

## PPT LSF400 Low Sintering Temperature Ferrite Powder

Category : Ceramic , Oxide

**Material Notes:**

Uses: Low Temperature Co-fired Ceramic Components (LTCC), Multi-Layer Chip Inductors (MLCI), Chip Beads (EMI Suppressors) Electromagnetic properties reported were tested on sintered toroids with a HP4294A.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PPT-LSF400-Low-Sintering-Temperature-Ferrite-Powder.php](http://www.lookpolymers.com/polymer_PPT-LSF400-Low-Sintering-Temperature-Ferrite-Powder.php)

| Physical Properties   | Metric                | English                  | Comments |
|-----------------------|-----------------------|--------------------------|----------|
| Bulk Density          | 3.20 g/cc             | 0.116 lb/in <sup>3</sup> | pressed  |
| Density               | 5.20 g/cc             | 0.188 lb/in <sup>3</sup> | Sintered |
| Particle Size         | 0.5 μm                | 0.5 μm                   | mean     |
| Specific Surface Area | 5.5 m <sup>2</sup> /g | 5.5 m <sup>2</sup> /g    |          |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|----------|
| Shrinkage          | 15.5 % | 15.5 %  |          |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Curie Temperature     | 150 °C | 302 °F  |          |

| Processing Properties | Metric                   | English                    | Comments |
|-----------------------|--------------------------|----------------------------|----------|
| Moisture Content      | 0.30 %                   | 0.30 %                     |          |
| Sintering Temperature | 900 °C<br>@Time 7200 sec | 1650 °F<br>@Time 2.00 hour |          |

| Descriptive Properties   | Value   | Comments |
|--------------------------|---------|----------|
| Initial Permeability, μi | 450     |          |
| Q Factor (w/ 10 turns)   | 95      |          |
| Test Frequency           | 0.2 MHz |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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