

Mateck Nb:SrTiO3

Category : Ceramic

Material Notes:

Substrate bicrystals for superconductivity

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mateck-NbSrTiO3.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|------------|----------|
| a Lattice Constant | 3.905 Å... | 3.905 Å... | |

| Thermal Properties | Metric | English | Comments |
|--------------------|----------------|------------------|----------|
| CTE, linear | 11.1 Åµm/m-Å°C | 6.17 Åµin/in-Å°F | |
| Melting Point | 2080 Å°C | 3780 Å°F | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Dielectric Constant | 310 | 310 | |

| Descriptive Properties | Value | Comments |
|----------------------------------|-----------|------------|
| Dimensions (mm) | 10x10x0.5 | |
| Junction Angle Å° | 24Å±1 | |
| | 36.8Å±1 | |
| Phase Transition Temperature (K) | max 110 | Tetragonal |
| Structure | cubic | |
| Surface Orientation Å° | 100Å±1 | |
| Surface Roughness (angstroms) | 10 | |
| | max 30 | |

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