

Mateck SrTiO3

Category : Ceramic , Oxide , Titanium Oxide

Material Notes:

Substrate bicrystals for superconductivity

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mateck-SrTiO3.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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