

Mateck Magnesium Oxide Substrate, MgO

Category : Ceramic , Oxide , Magnesium Oxide

Material Notes:

Substrate single crystals for superconductivity

Order this product through the following link:
http://www.lookpolymers.com/polymer_Mateck-Magnesium-Oxide-Substrate-MgO.php

Physical Properties	Metric	English	Comments
Density	3.58 g/cc	0.129 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	14.2 $\mu\text{m/m-}^{\circ}\text{C}$	7.89 $\mu\text{in/in-}^{\circ}\text{F}$	
Melting Point	2800 $^{\circ}\text{C}$	5070 $^{\circ}\text{F}$	

Electrical Properties	Metric	English	Comments
Dielectric Constant	10	10	

Descriptive Properties	Value	Comments
Lattice Parameter ($\text{\AA}$...)	4.213	
Orientation	(100)	
Orientation Accuracy ($^{\circ}$), Max	0.5	
Parallelness ($^{\circ}$), max	0.02	
Polishing	standard: one side	
Roughness of surface (angstroms), max	50	
Scratches	none	
Standard Size (mm)	10 x 10 x 1 or 0.5	
State	monocrystalline	
Structure	cubic	
Surface Quality	with light microscope without defects	
Tolerance of Length (mm)	$\text{\AA}\pm 0.1$	
Tolerance of Thickness (mm)	$\text{\AA}\pm 0.05$	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China