

Mateck Zinc Telluride, ZnTe

Category : Ceramic , Sulfide/Chalcogenide , Other Engineering Material , Semiconductor

Material Notes:

Semiconductor single crystals. Twins and stacking faults twin free.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mateck-Zinc-Telluride-ZnTe.php

Physical Properties	Metric	English	Comments
a Lattice Constant	6.1034 Å...	6.1034 Å...	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+6 ohm-cm	1.00e+6 ohm-cm	undoped
Hole Mobility, cm ² /V-s	130	130	

Descriptive Properties	Value	Comments
Crystal Axis	(111)	
Density of low angle boundaries (cm ⁻¹), max	10	
EPD (cm ⁻²), MAX	500000	
Orientation	(100); (110); (111)	
Orientation Accuracy (Å°), Max	1	
Polishing	chemical mechanical polishing	
	one side or both sides polished	
	optical polishing	
Production Method	Markov	
Standard Size (mm)	10 x 10 x 0.5 or 1	
	5 x 5 x 0.5 or 1	
Structure	cubic	
Tolerance of Diameter (mm)	0.000 / -0.100	
Tolerance of Length (mm)	0.05	
Tolerance of Thickness (mm)	0.05	

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