

MarkeTech Silicon Carbide (6H) Single Crystal Substrate

Category : Ceramic , Carbide

Material Notes:

Data provided by the supplier, MarkeTech International. Developed for deposition of III-V nitrides for LEDs, Lasers, etc. Standard orientation: ; GaN Lattice Mismatch 3.5%.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MarkeTech-Silicon-Carbide-6H-Single-Crystal-Substrate.php

Physical Properties	Metric	English	Comments
Density	3.217 g/cc	0.1162 lb/in ³	
a Lattice Constant	3.08 Å...	3.08 Å...	
c Lattice Constant	15.12 Å...	15.12 Å...	

Thermal Properties	Metric	English	Comments
CTE, linear	10.3 Åµm/m-Å°C	5.72 Åµin/in-Å°F	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Melting Point	2700 Å°C	4890 Å°F	

Descriptive Properties	Value	Comments
Crystal Structure	Hexagonal	

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