

## MarkeTech Spinel (MgAl<sub>2</sub>O<sub>4</sub>) Single Crystal Substrate

Category : Ceramic , Oxide , Aluminum Oxide , Magnesium Oxide

### 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 9%.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MarkeTech-Spinel-MgAl2O4-Single-Crystal-Substrate.php](http://www.lookpolymers.com/polymer_MarkeTech-Spinel-MgAl2O4-Single-Crystal-Substrate.php)

Physical Properties	Metric	English	Comments
Density	3.60 g/cc	0.130 lb/in <sup>3</sup>	
a Lattice Constant	8.803 Å...	8.803 Å...	

Thermal Properties	Metric	English	Comments
CTE, linear	7.45 Åµm/m-Å°C	4.14 Åµin/in-Å°F	
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Melting Point	2130 Å°C	3870 Å°F	

Descriptive Properties	Value	Comments
Crystal Structure	Cubic	

## Contact Songhan Plastic Technology Co.,Ltd.

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