



SCI Engineered Materials®

Preliminary Material Data



Zinc Magnesium Oxide

Physical Characteristics

Property	Standard Value
Density	95%+
Ave Grain Size	~2 μm
Color	Green



(Zn, Mg)O Compositions

Composition	Resistivity	Band Gap
90:10	<0.3 kohm	3.51 eV
85:15	<0.5 kohm	3.58 eV
75:25	<10 kohm	3.8 eV

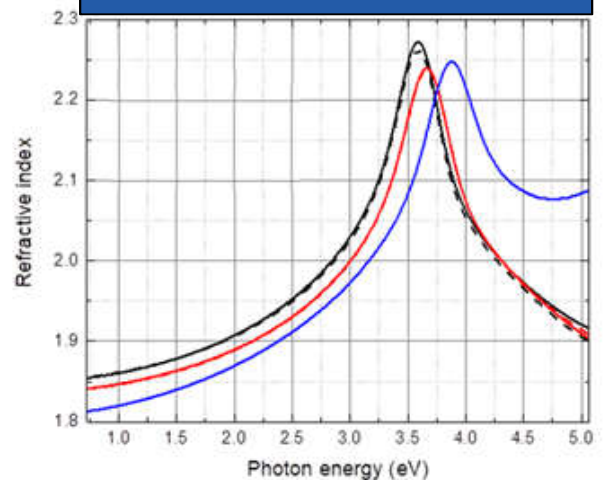
Mg Dopant Levels 10 -25 at%

99.9% Pure *

Element	ppm
Fe	1
Cu	0.9
Pb	<1
Ca	<0.5

*including dopant

Refractive Index



Planar and Rotatable Sizes Available