

Metal-Class Thermal Conductivity with Thermalmite® Reinforcement

High-Strength AlN Substrates

The Highest Mechanical Strength Ever Achieved in AlN

Ceramic Product



Size	4.5inch
Thickness	0.2-1.0mm
Thermal Conductivity	170 · 200W/m · K 230W/m · K (Under Development)

Key Features

High Thermal Conductivity

High Mechanical Strength

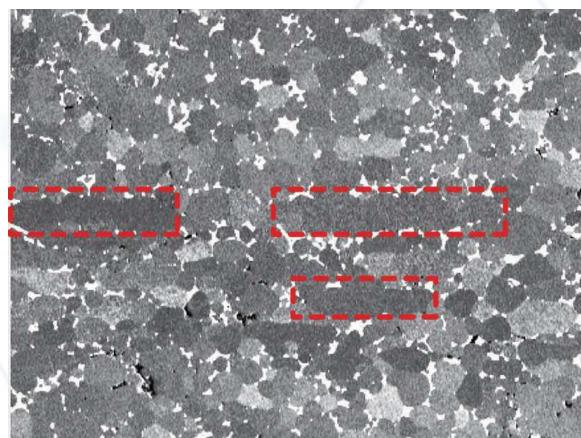
Fracture Toughness:
2x Conventional AlN

Benefits

| **01 Enhanced Heat Dissipation**
Enables Higher Power Output
and Compact Design

| **02 Suppression of Micro-Cracks**

⟨Fiber Reinforcement with Thermalmite®⟩



Applications

- LED / LD Modules(Headlights, UV-C LEDs, Optical Transceivers, etc.)
- Power Modules(Automotive Inverters, Railway Motor Drives, Machine Tools, Solar / Wind Power, UPS)