

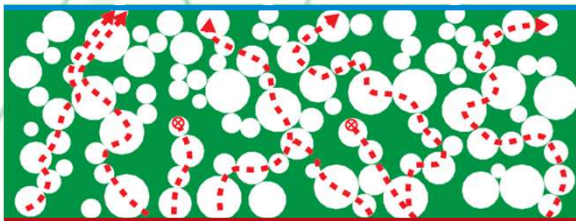
# Hybrid Filler

## Fibrous AlN Filler “Thermalnite®” Meets Spherical AlN Particles — First Collaboration!

### What Is a Hybrid Filler?

Conventional Spherical Filler

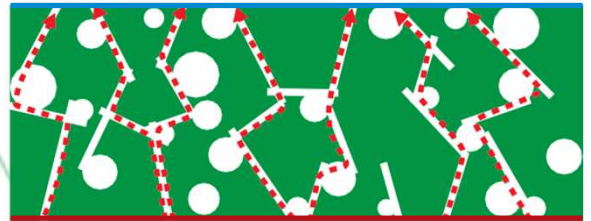
High filler loading required to form thermal pathways



Add Fibrous Filler

Fibrous + Spherical Fillers

Highly Efficient Thermal Path Formation



### Usage Benefits

### Feel Free to Contact Us

**High Thermal Conductivity at Low Filler Loading**

#### Challenge

Filler design optimization required



**No design required + Shorter development TAT**

#### Challenge

Need higher thermal conductivity



**Over 10 W/m·K achievable with high filler loading**

#### Challenge

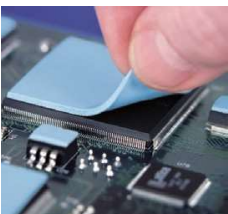
Adhesion, tolerance absorption, and mechanical strength required



**Maintain base material properties with low filler loading**

### Applications

TIM Sheet



Thermal Grease



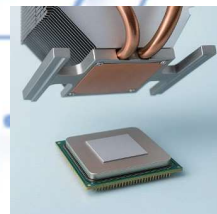
Gap Fillers



Adhesives



Phase Change Materials



Thermoplastics

