

Hybrid Filler

Fibrous AlN Filler "Thermalnite®" Meets Spherical AlN Particles — First Collaboration!

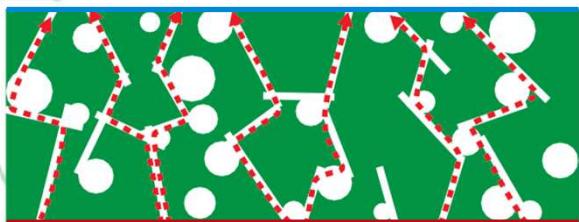
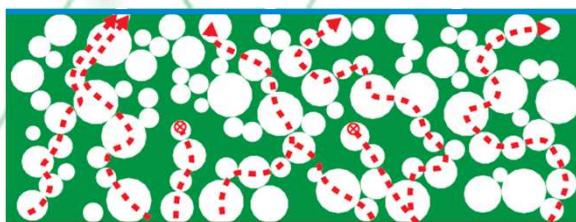
What Is a Hybrid Filler?

Conventional Spherical Filler

High filler loading required to form thermal pathways

Fibrous + Spherical Fillers

Highly Efficient Thermal Path Formation



Usage Benefits

Feel Free to Contact Us

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

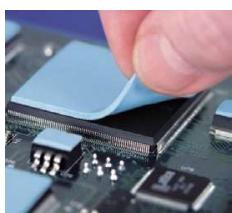
Challenge

Adhesion, tolerance absorption, and mechanical strength required

Maintain base material properties with low filler loading

Applications

TIM Sheet



Thermal Grease



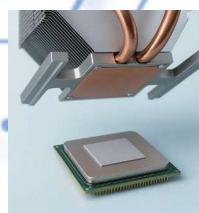
Gap Fillers



Adhesives



Phase Change Materials



Thermoplastics

