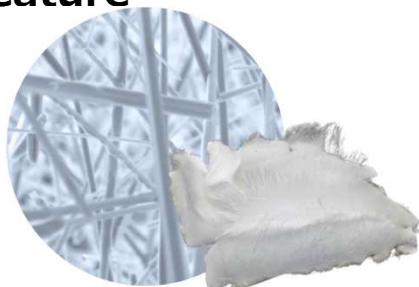


Thermalnite®

Only by adding a small amount to resin parts improves
“Thermal conductivity” and “Mechanical strength”

◆ Feature



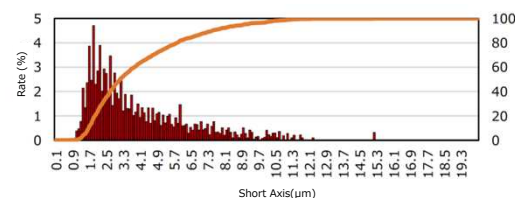
Items	Value
Density	3.26 g/cm ³
Diameter	D50: 3.2 μm、D90: 8.4 μm
Length	D50: 14.0 μm、D90: 59.7 μm

*Measured values in the table are actual values, not product standard values.

◆ Particle size distribution data

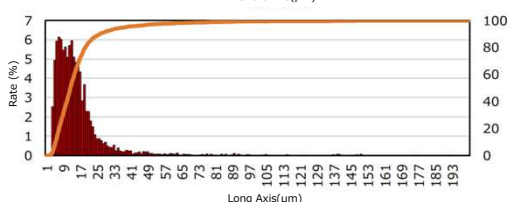
Diameter

Std. Dev.	3.7
Mode	1.8
D10	1.5
D50	3.2
D90	8.4



Length

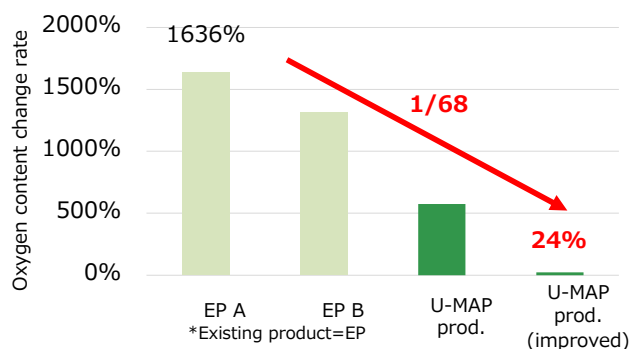
Std. Dev.	43.9
Mode	6.0
D10	4.7
D50	14.0
D90	59.7



*The measured values in the table are actual values and are not product standard values.

◆ Specifications for improved water resistance

Oxygen content are reduced to **1/68**
of existing product

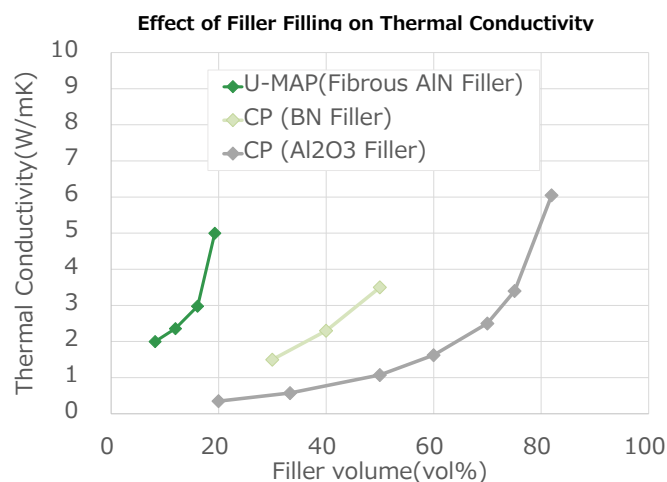


*Measured oxygen content change after 16h exposure at 85°C/85%RH

Add to resin

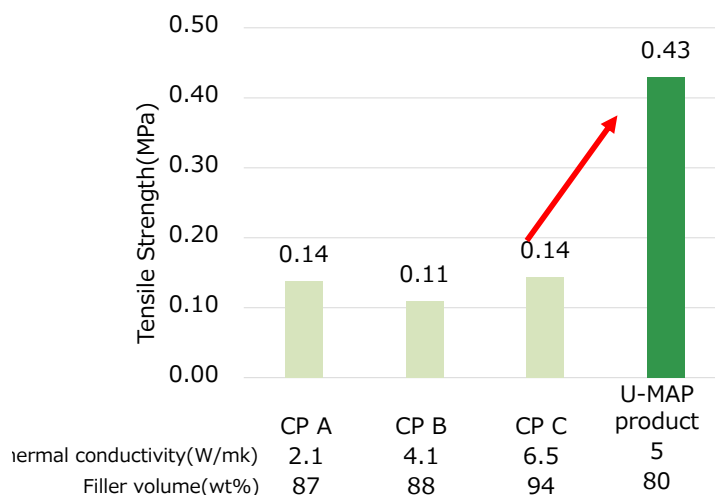
◆ High thermal conductivity with low additives

Achieving **high thermal conductivity**
with **minimal fill volume**



◆ High mechanical strength

Up to 4x improvement
over commercial products



Thermal conductivity (W/mK)
Filler volume (wt%)

*Commercial product=CP