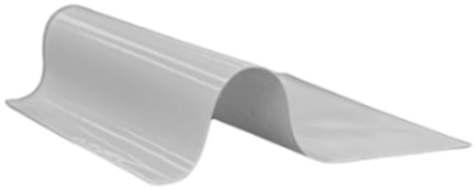
With ThermaInite® for Insulation & Heat Conduction

Low Thermal Resistance Heat Dissipation Sheet

U-MAP Co., Ltd. Ultimate Material and Processing

✓ Industry's Lowest Thermal Resistance in History
✓ One of the Thinnest in the Industry: 0.1 mm



Even When Thin, It's Strong

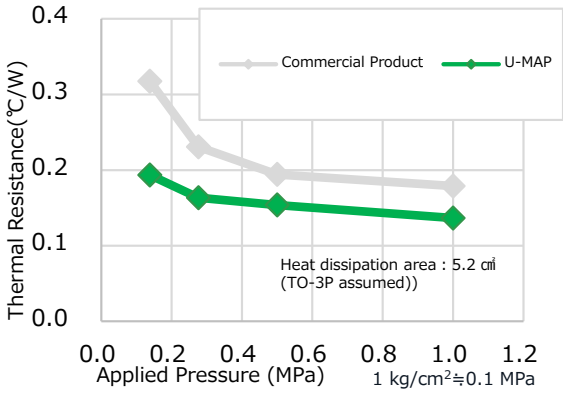
Effectively dissipates heat with low thermal resistance

Properties (Typical Values)	
Thickness	0.1, 0.2, 0.5, 1.0 mm
Thermal Conductivity	4.3 W/m・K
Hardness (Shore OO)	89°
Density	2.13 g/cm^3
Dielectric Strength	24.0 kV/mm ※Measured at 0.1mmt
Tensile Strength	0.43 MPa
Dielectric Constant(1MHz)	5.4
Dissipation Factor (1MHz)	1.1×10^{-2}

※Measured values. Not guaranteed specifications.

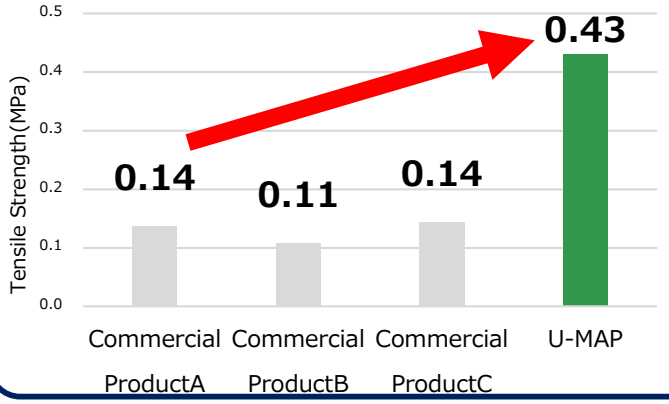
One of the Industry's Lowest "Thermal Resistance"

Up to 30% lower compared to commercial products



"Tensile Strength" Up to 4× Higher

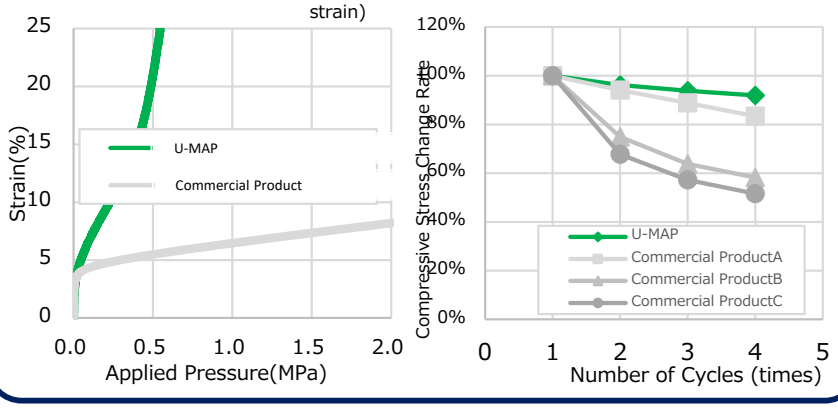
Strong even when thin; resistant to tearing



Excellent "Compression Resilience"

Stable under low pressure and repeated use

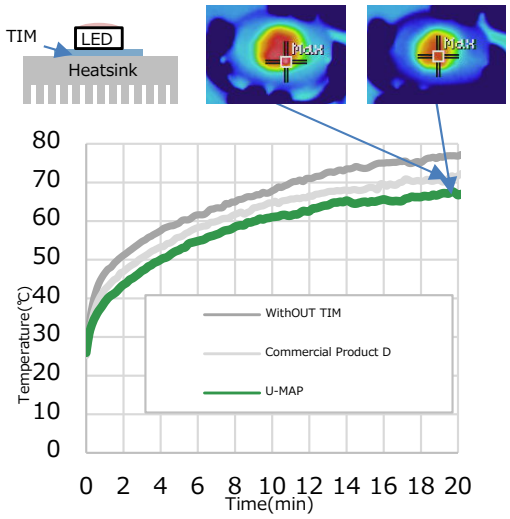
※U-MAP maintains compression characteristics even after repeated strain (stacked to 6mm, repeated until 25% strain)



Up to 4°C "Temperature Reduction"

LED Application / Comparison with Commercial Products

※Measurement: natural cooling, max temp point monitoring.



◀ **Now Offering Samples.**

Feel free to contact us!