



NANOTEST
Berliner Nanotest und Design GmbH

TIMA[®] 5



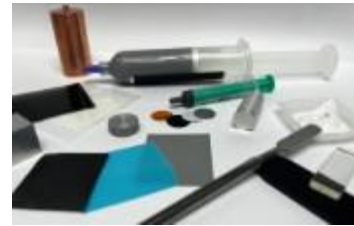
Thermal Interface Material Analyzer
Model 5

The first convenient
automated
all-in-one
ASTM D5470 test system.

Simple yet versatile

TIMA is a comprehensive laboratory and industrial measurement tool providing a wide range of thermal measurements and analyses to be performed with highest scientific standard.

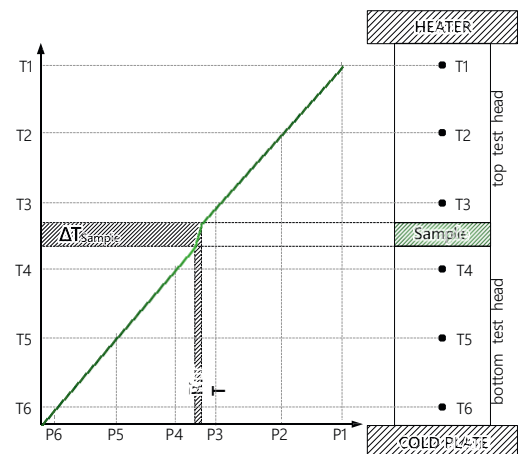
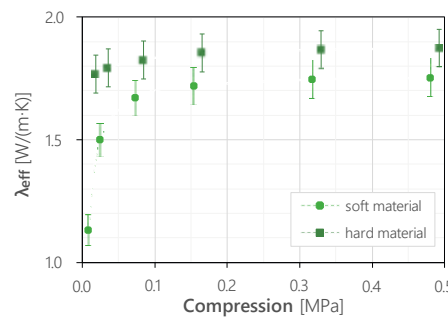
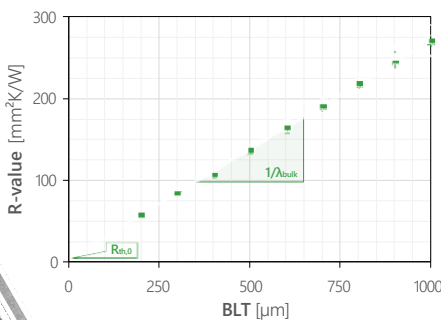
- ▶ Greases and pastes
- ▶ Cured gap fillers and adhesives
- ▶ Anisotropic composites
- ▶ Phase change materials



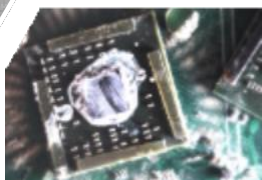
ASTM D5470 Standard Conforming and Beyond

TIMA 5 fully meets the established test methodology described in ASTM Standard D5470-17, while also providing fully automated characterization and many additional features not described in the ASTM Standard.

- ▶ Full coverage of specification range
- ▶ Up to 150°C sample temperature
- ▶ Scientific standard accuracy estimation
- ▶ Fully automated measurement
- ▶ ± 300 N clamping and tensile force
- ▶ Highly user-friendly, robust, and reliable

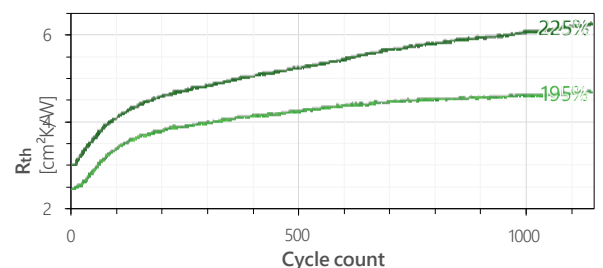
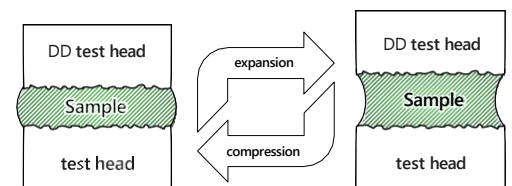


Ageing and Reliability Investigations



TIMA allows accelerated lifetime testing for thermal interface materials exposed to thermo-mechanical stress by emulating mechanical strain from in-field application.

- ▶ In-situ monitoring of aging / degradation
- ▶ Application-related testing conditions
- ▶ Highly accelerated: 500 cycles per day
- ▶ Thickness- and pressure-controlled cycling



(주)델타이에스

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