



## Thermal resistance test report

**Report No.:** 20221019001

**Sample:** Sample 1: thermal pad, H150, T=2.0mm

Sample 2: thermal pad, H150, T=1.0mm

**Test item:** Compression rate & Thermal resistance

**Executable file:** Q/HFC 001-2015

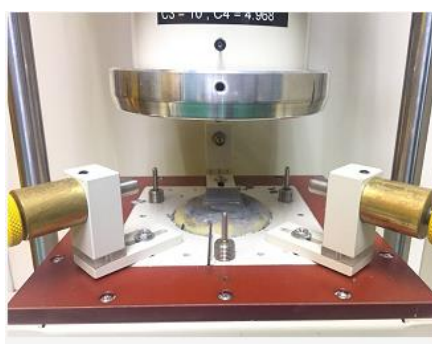
**Equipment:**

| Sheet 1 equipment Info      |         |              |                  |                       |
|-----------------------------|---------|--------------|------------------|-----------------------|
| Equipment                   | Model   | Asset Number | Calibration date | Next Calibration date |
| Thermal conductivity tester | LW-9389 | HFC-B-468    | 2021-10-29       | 2022-10-28            |

**Test method:**

| Sheet 2 test item and standard |                    |                                                                                                                                         |
|--------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| No.                            | Item               | Standard                                                                                                                                |
| 1                              | Compressive force  | ASTM D 575 Standard Test Method for Compressive Properties of Rigid Plastics                                                            |
| 2                              | thermal resistance | ASTM D 5470 Standard Test Method for Thermal Transmission Properties of Thin Thermally Conductive Solid Electrical Insulation Materials |

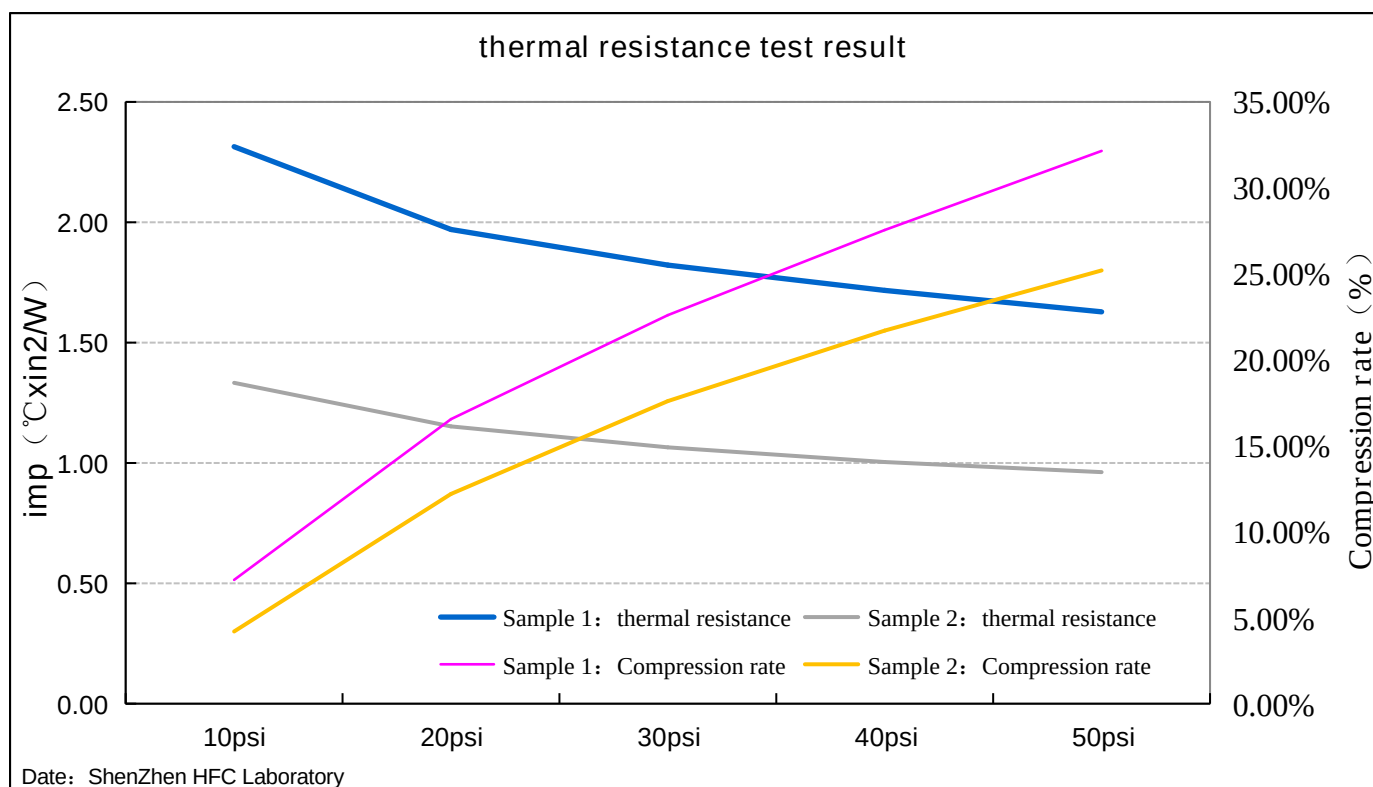
**Test photo:**





Resistance Test Results:

| Sheet 3 Sample thermal resistance test result                               |       |        |        |        |        |
|-----------------------------------------------------------------------------|-------|--------|--------|--------|--------|
| Sample                                                                      | 10psi | 20psi  | 30psi  | 40psi  | 50psi  |
| Sample 1: thermal resistance( $^{\circ}\text{C}\cdot\text{in}^2/\text{W}$ ) | 2.314 | 1.97   | 1.822  | 1.717  | 1.628  |
| Sample 1: Compression rate(%)                                               | 7.20% | 16.55% | 22.60% | 27.55% | 32.15% |
| Sample 2: thermal resistance( $^{\circ}\text{C}\cdot\text{in}^2/\text{W}$ ) | 1.333 | 1.152  | 1.065  | 1.004  | 0.962  |
| Sample 2: Compression rate(%)                                               | 4.20% | 12.20% | 17.60% | 21.70% | 25.20% |



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