



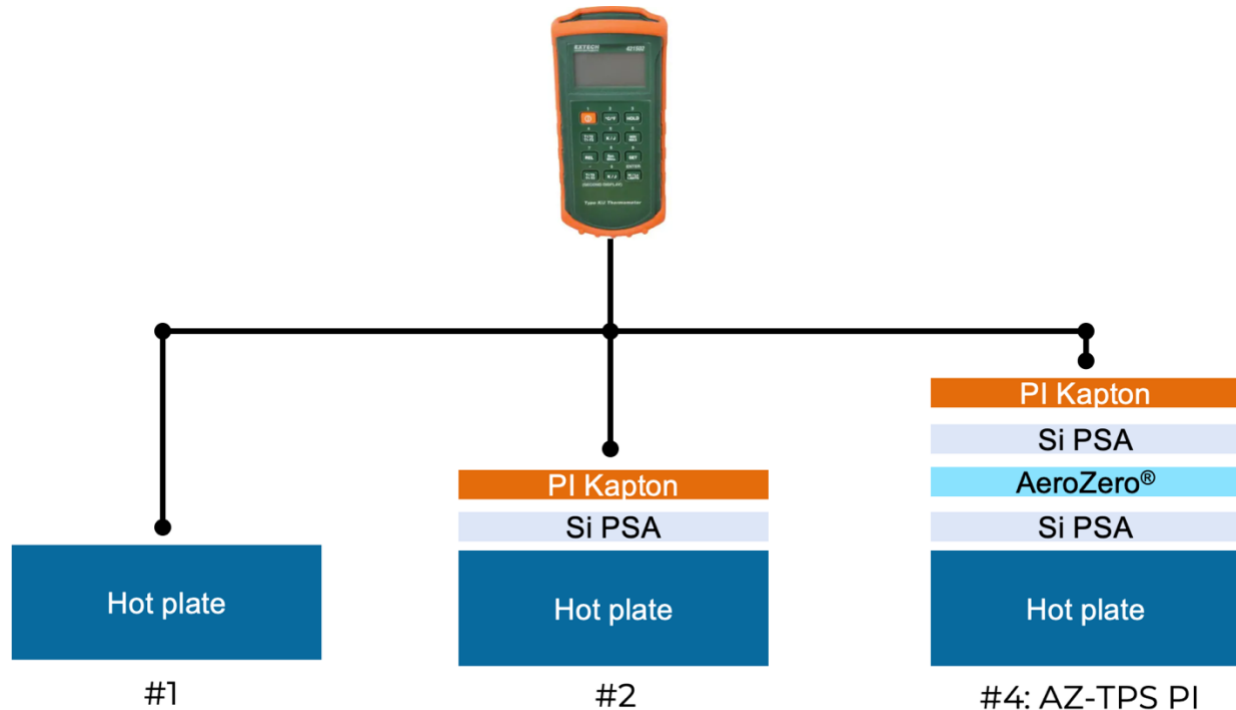
RockeTape™ Case Study

Purpose:

To compare Polyimide Tape and RockeTape™ Polyimide (RT-PI) based on their insulating performance on a hot plate.

Test setup:

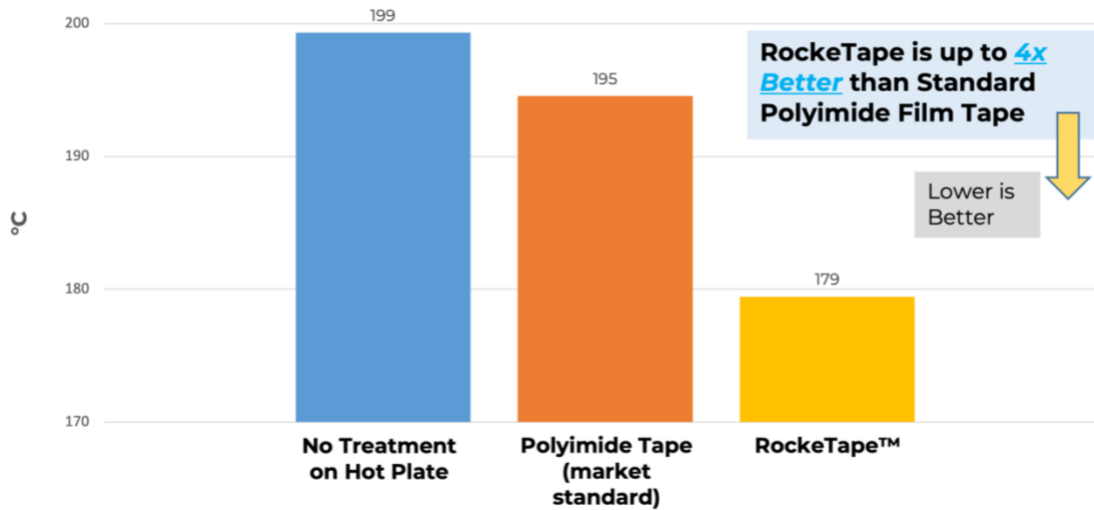
- A stainless steel (SS) block, 6" x 6" x 0.2", was placed on a hot plate to control temperature variation.
- 4" x 4" sheets of samples were attached to the stainless steel using Silicone (SI) PSA.
- A thermocouple was placed on the bare stainless steel and the temperature was set and allowed to equilibrate.
- The temperature, 200 °C, was measured for 3 minutes and recorded every 10 seconds.
- Samples were attached to the stainless steel and the temperatures were recorded to equilibrium.
- The equilibrium temperature was reported.



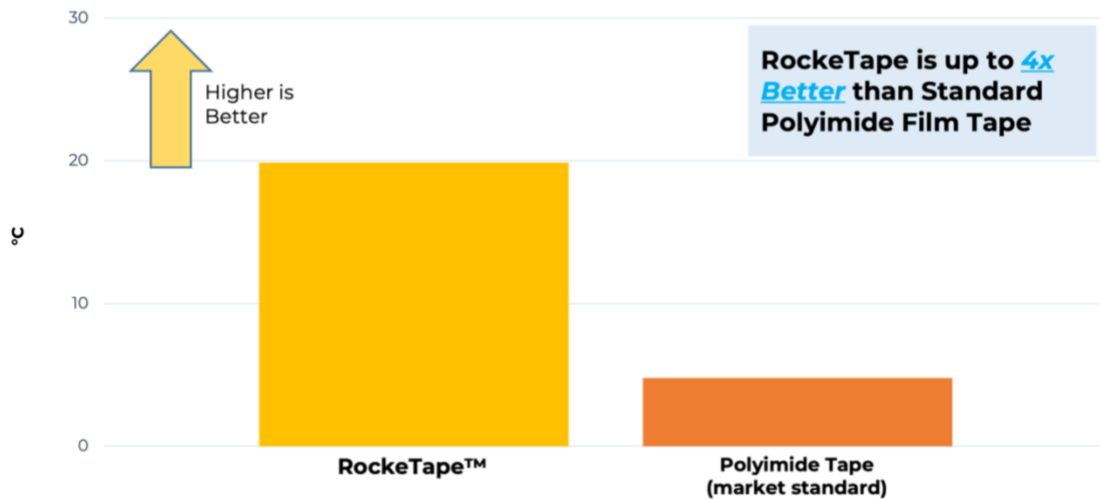


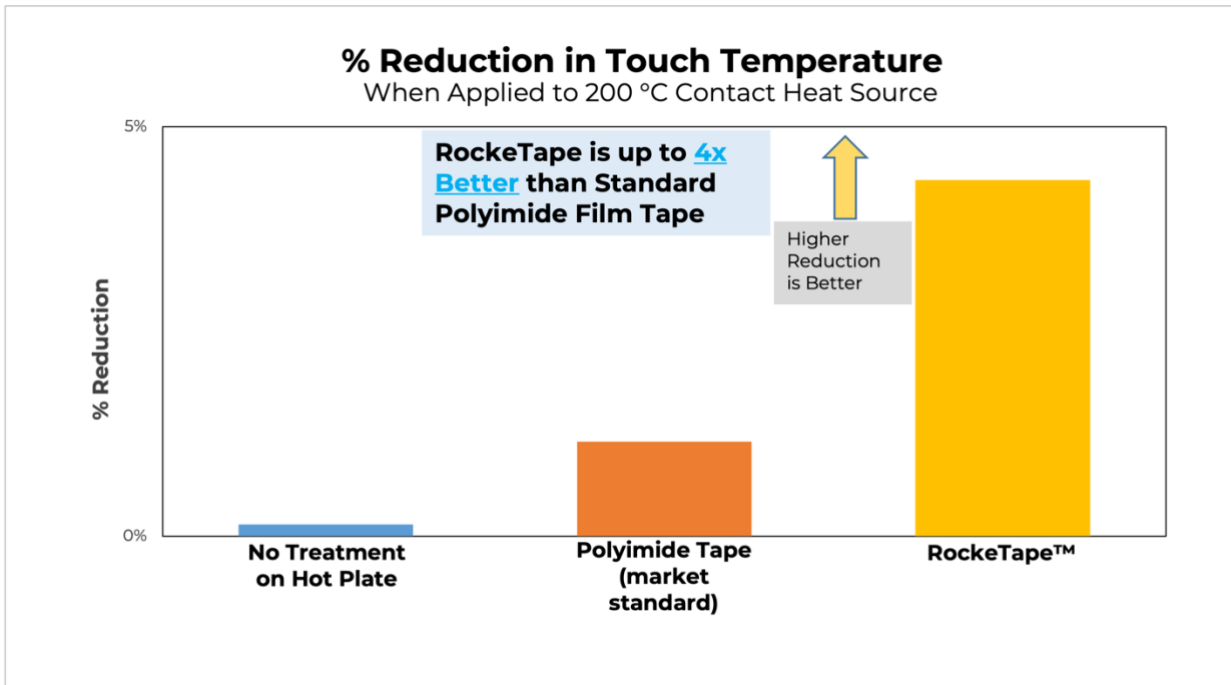
Results

Touch Temperature when Applied to a 200 °C Contact Heat Source



Touch Temperature Reduction when Applied to a 200 °C Contact Heat Source





Conclusions:

- AeroZero® combined with a layer of polyimide film (called “RockeTape™ Polyimide”) shows a significant reduction in temperature.. RockeTape™ polyimide (RT-PI) is much more effective than standard polyimide tape on the market today.
- Conventional polyimide tape (with no AeroZero®) showed minimum temperature reduction effects.
- Some people may use multiple layers of conventional polyimide tape to achieve their desired temperature goals, but with RockeTape™ Polyimide you only need one layer to achieve the same temperature.
- **If you have thermal issues and need a significant temperature reduction, RockeTape™ Polyimide is the best choice for you.**