

ARLON INSILTHIN™

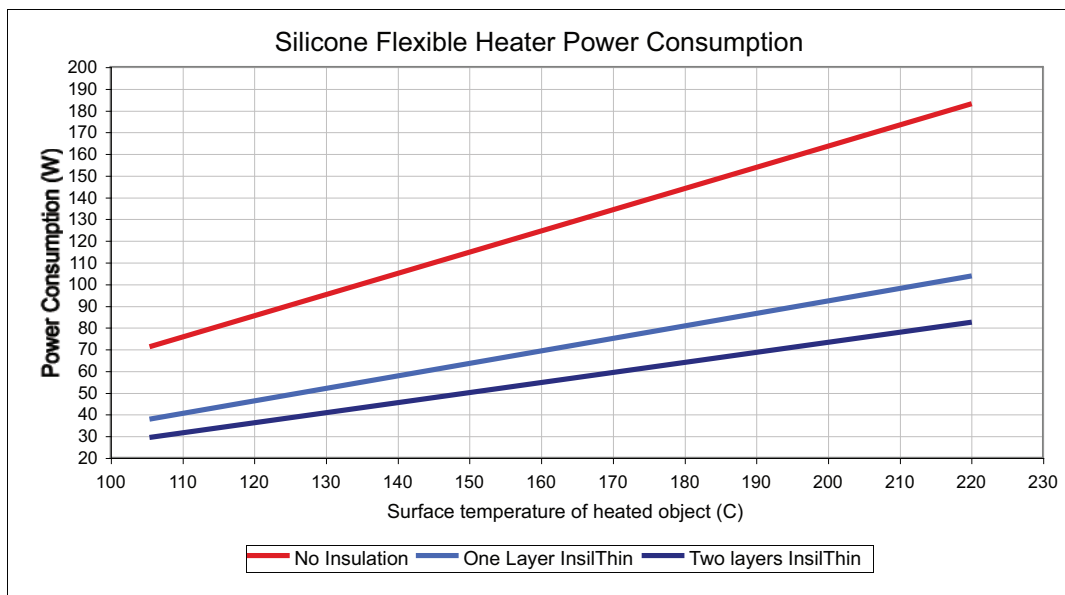
THIN PROFILE THERMAL INSULATION

FOR LONGER SERVICE LIFE, GREATER THERMAL STABILITY, ENERGY AND SPACE SAVINGS.

- Thin profile for space savings and easy design, 2 to 3 times thinner than traditional silicone foam insulation.
- Energy savings, less electricity required to power a flexible heater.
- Longer service life than regular silicone foams with less degradation at higher temperatures.

Arlon InsilThin thin profile thermal insulation is another innovative solution from Arlon Inc., technology leader in silicone based substrates.

Arlon InsilThin replaces traditional ¼" (6.4 mm) and ½" (12.7 mm) silicone foam with a product 2 to 3 times thinner, while maintaining better thermal stability up to 250°C. InsilThin can help achieve energy savings, a factor to consider in today's energy conscious world, by reducing the amount of electricity required to power a flexible heater and by reducing the amount of energy necessary to cool a facility with multiple flexible heater installations.



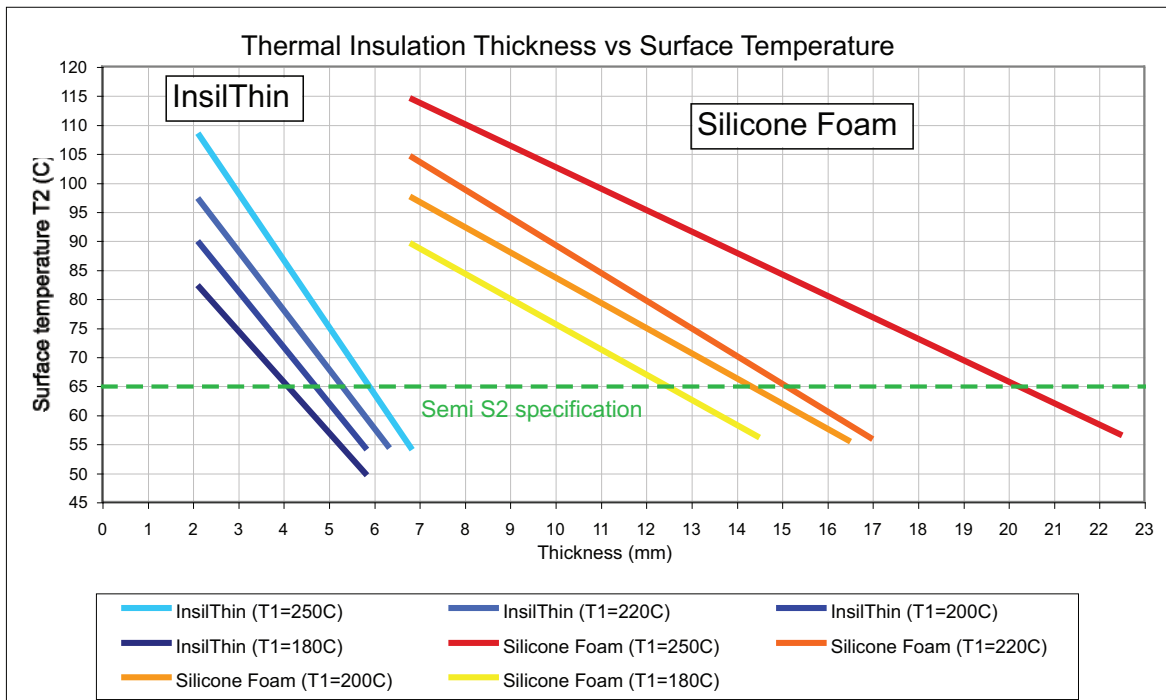
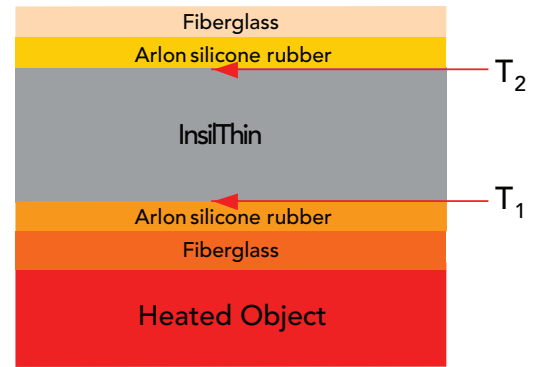
Incorporating InsilThin into a Flexible Heater assembly can reduce power consumption by nearly 50%.

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Arlon Inc. has conducted extensive research on the advantages of InsilThin over traditional insulation methods. This research has shown that Arlon InsilThin outperforms traditional foam insulation. Below is a comparative chart of the required insulation thickness, for both InsilThin and a leading silicone foam competitor, necessary to reduce the temperature of a heated object to 65°C.

T_1 = inside temperature
 T_2 = surface temperature



Arlon InsilThin is fully compatible with Arlon silicone based flexible heater substrates. InsilThin is designed to be easily laminated to Arlon's silicone/fiberglass flexible heater substrates utilizing vacuum bag and/or platen press lamination methods. Two Arlon InsilThin products are available: 680-R3839R and 680-R3844R. Both products are 0.082" +/- 0.015" thick and can be purchased in rolls up to 48" (1.22 m) wide by 150 yards (137 m) long. The 680-R3844R InsilThin product is designed for applications requiring ultra low thermal conductivity and the 680-R3839R product is designed for applications requiring very low thermal conductivity and greater ease of use with all of Arlon's flexible heater substrates.

Arlon Silicone Technologies is the leading provider of silicone based substrates for a wide range of products and market applications, providing technical solutions even in the most challenging operating conditions.



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