

## ARLON<sup>®</sup> Thermal Insulation Silicone Sponge for Flexible Heaters

ARLON<sup>®</sup> flexible heater dielectric substrates have a long history of excellence as best-in-class in industries such as semi-conductor, food storage and processing, medical, oil /gas and various industrial applications.

The flexible heater substrates have earned a reputation for delivering reliable operation and long life in both wire and etched foil heater applications.

ARLON thermal insulation silicone sponge is the continuation of a rich history and expertise in flexible heater systems.



ARLON<sup>®</sup> thermal insulation silicone sponge products are designed to offer optimal, long lasting insulation and thermal stability in flexible heater systems.

The products are available under a general grade offering (ARLON D5) and UL94 HB rated offering (ARLON C9).

- ARLON D5 Sponge is formulated using the ARLON 10 flexible heater compound and offers good performance, benefiting from the inherent performance of silicone
- ARLON C9 Sponge (UL Listed) is formulated using the ARLON 27 flexible dielectric compound and offers the highest thermal stability for the most demanding flexible heater applications.



# ARLON® Thermal Insulation Silicone Sponge for Flexible Heaters

## Features:

- ASTM D1056 2D3 (medium grade)
- UL 94 HB, 150C RTI (ARLON C9)
- Homogenous closed-cell structure
- Operating range temperature of -70F to 428F
- High thermal insulation
- Low outgassing of TML <1%
- Low water absorption of < 5%
- Meets ROHS requirements
- Fine fabric surface finish
- 10 year shelf life

## Benefits:

- Designed specifically for thermal insulation in flexible heaters
- Best-in-class long term thermal stability ensures long life and reliable operation
- Excellent bonding to dielectric substrates
- Does not require adhesives when bonding to ARLON silicone dielectric substrates
- Continuous roll offering enables ease of use and higher efficiencies in fabrication
- Low outgassing reduces contamination into the environment and sensitive equipment

## Product Offering

	ARLON C9 (UL94 HB grade)		ARLON D5 (General grade)	
Product Name	99C92R125 (Red) 99C92X125 (Gray)	99C92R250 (Red) 99C92X250 (Gray)	99D52R125 (Red) 99D52X125 (Gray)	99D52R250 (Red) 99D52X250 (Gray)
Thickness (inch)	0.125		0.250	
Width (inch)	36		36	
Form	Continuous Roll			
Color	ARLON Red and Gray			

