

?PJMLå Rfc p k _j G l qsj_rgm l Qg jgam l c Qnm l ec dmp Djcv g`jc Fc_rcp q

?PJML djcv g`jc fc_rcp b g c jcar p g a
q s`qrp_rcq f_tc _jm l e f g q rmpw m d
cvac j j c l a c _q`c q r+g l+a j_q q g l g l b s q r p g c q
q s a f _q q c k g+a m l b s a r m p* d m m b q r m p _e c
_l b n p m a c q q g l e, k c b g a _j* m o j-e _q _l b
t_p g m s q g l b s q r p g _j _n n j g a _r g m l q,

R f c d j c v g`j c f c \_r c p q s`q r p _r c q f _t c
c _p l c b _p c n s r _r g m l d m p b c j g t c p g l e
p c j g _`j c m n c p \_r g m l \_l b j m l e j g d c g l`m r f
u g p c _l b c r a f c b d m g j f c _r c p
_n n j g a _r g m l q,

?PJML r f c p k _j g l q s j _r g m l q g j g a m l c
q n m l e c g q r f c a m l r g l s _r g m l m d _p g a f
f g q r m p w _l b c v n c p r g q c g l d j c v g`j c f c _r c p
q w q r c k q,



ARLON® 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, cont'd

Features:

- Medium firmness grade
- UL 94 HB, 150C RTI (ARLON C9)
- Homogenous closed-cell structure
- Operating range temperature of -57°C to 220°C (-70°F to 428°F)
- 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

PROPERTY	UNITS	OFFERING
Grades		99C9: Medium firmness (UL grade) 99D5: Medium firmness (non-UL General grade)
Standard Thickness	mm (inch)	1.57 (0.062), 2.36 (0.093), 3.18 (0.125), 4.78 (0.188), 6.35 (0.25), 9.53 (0.375), 12.7 (0.5)
Full Thickness Range	mm (inch)	Non-standard thickness available between 1.57 (0.062) and 12.7 (0.5)
Width	mm (inch)	914 (36)
Color		Red and Gray

Product Nomenclature Guide

Legend: [ReinforcementGradeConstructionColorThickness]-[Width]

Product Example: 99C92R125-38X

Reinforcement: 99 (Unsupported, no reinforcement)

Grade: C9 (Medium grade UL rated)

Construction: 2 (Unsupported or Cured rubber on one side of reinforcement)

Color: R (red)

Thickness: 125 (125 mil, 0.125 inch, 3.18 mm)

Width: 38X (38 inch untrimmed, 36 inch usable)

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com