



EXPERTS IN SILICONE GASKET SOLUTIONS

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Arlon Silicone Sponge Closed - Cell

Product Data Sheet



Arlon Silicone Sponge Closed-Cell is an excellent material for gasketing applications that require soft to extra-firm compressible material. It is resistant to extreme temperatures and offers good compression set to general industry standards.

Features & Benefits:

- Excellent general purpose gasket
- Extreme high & low temperature resistance
- UV & ozone resistant
- Wide range of firmness, thickness, and widths
- Closed-cell

STANDARD GRADES

| | | |
|------------------------|--------------|------------------------------|
| Thickness, mm (inches) | All products | 0.81 - 25.4* (0.032 -1.0) |
|------------------------|--------------|------------------------------|

| | | |
|--------------------|--------------------|-----------------------|
| Width, mm (inches) | Standard Available | 914 (36) 1219 (48) |
|--------------------|--------------------|-----------------------|

| PRODUCT/COLOR | SOFT | MEDIUM | FIRM | EXTRA FIRM |
|---------------|-------|--------|-------|------------|
| Red | 1135S | 1135M | 1135F | 1135XF |
| White | 1115S | 1115M | 1115F | 1115XF |
| Black | 1125S | 1125M | 1125F | 1125XF |
| Gray | 1145S | 1145M | 1145F | 1145XF |

| PHYSICAL PROPERTY | TEST METHOD | | | | |
|---|-------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Density (thickness < 6.35mm), kg/m ³ (lbs/ft ³) | ASTM D1056 | 498.2 (0.018) | 498.2 (0.018) | 636.6 (0.023) | 775.0 (0.028) |
| Density (thickness ≥ 6.35mm), kg/m ³ (lbs/ft ³) | ASTM D1056 | 553.6 (0.020) | 553.6 (0.020) | 775.0 (0.028) | 913.4 (0.033) |
| Compression Deflection, KPa (psi) | ASTM D156 | 34.5 - 62 (5 - 9) | 41 - 97 (6 - 14) | 83 - 138 (12 - 20) | 117 - 172 (17 - 25) |
| Compression Set, % 22 hrs / 100 °C / 50% compressed | ASTM D1056 | 29 | 29 | 25 | 35 |
| Tensile Strength, KPa (psi) | ASTM D412 Die A | 620 (90) | 690 (100) | 1379 (200) | 2068 (300) |
| Elongation, % | ASTM D412 Die A | 150 | 200 | 225 | 250 |
| Water Absorption, % | ASTM D1056 | 5 | 5 | 5 | 5 |
| Surface Finish | Standard Nonstandard | Fine Fabric Heavy Fabric | Fine Fabric Heavy Fabric | Fine Fabric Heavy Fabric | Fine Fabric Heavy Fabric |

*Thickness over 12.70 mm (0.500 inches) is achieved through the lamination of multiple material layers.



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Standard Thickness, Tolerance and Roll Length

| THICKNESS mm (inches) | | | ROLL LENGTH m (yard) |
|--------------------------|----------------------------------|--|-------------------------|
| STANDARD | NOMINAL RANGE | TOLERANCE | STANDARD |
| 0.81 (0.032) | 0 - 1.6 (0 - 0.063) | + 0.041, - 0.076 (+ 0.030, - 0.016) | 36.6 (40) |
| 1.60 (0.063) | | | 18.3 (20) |
| 2.40 (0.094) | 1.61 - 4.78 (0.064 - 0.188) | ± 0.76 (± 0.030) | 18.3 (20) |
| 3.20 (0.125) | | | 18.3 (20) |
| 4.78 (0.188) | | | 9.1 (10) |
| 6.40 (0.250) | | | 9.1 (10) |
| 9.53 (0.375) | 7.96 - 12.70 (0.314 - 0.500) | ± 1.52 (± 0.060) | 4.6 (5) |
| 12.70 (0.500) | | | 4.6 (5) |
| 15.88 (0.625) | 12.71 - 19.05 (0.501 - 0.750) | ± 2.29 (± 0.090) | 4.6 (5) |
| 19.05 (0.750) | | | 4.6 (5) |
| 25.40 (1.000) | > 19.06 (> 0.751) | ± 3.05 (± 0.120) | 4.6 (5) |

* If material is laminated to thickness, the tolerances are for the individual layers and not the overall thickness of the laminate. Laminate thicknesses are nominal.

Slit Material and Tape (PSA) Width Tolerances

| NOMINAL WIDTH mm (inches) | TOLERANCE mm (inches) |
|------------------------------|-------------------------------|
| 0 - 76 (0 - 3) | ± 1.60 (± 0.063) |
| > 76 - 203 (> 3 - 8) | ± 2.40 (± 0.094) |
| > 203 - 305 (> 8 - 12) | ± 3.18 (± 0.125) |
| > 305 - 610 (> 12 - 24) | ± 4.78 (± 0.188) |
| > 610 - 914 (> 24 - 36) | + 25.4, - 0.0 (1.0, - 0.0) |
| > 914 (> 36) | + 25.4, - 0.0 (1.0, - 0.0) |

VALUE ADDED OFFERINGS

- Adhesive (PSA) lamination:
 - Standard acrylic
- Slit tapes/strippings
- Hot post-cures
- Custom Colors

PRODUCT SPECIFICATIONS

AMS 3195 (Medium Grade)

Certified with deviation on density for thickness of
≥ 6.4mm (0.250) to 43.2 PCF (0.020 lbs/in³)

AMS 3196 (Firm Grade)

Notes:

- All metric conversions are approximate. Reference US customary units for official values and tolerances.
- Additional technical information and product specifications are available upon request.
- Typical values should not be used for specification limits.