



Arlon Silicones Technology

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PRODUCT INFORMATION SHEET


Arlon Product Number

48360X005

PRODUCT DESCRIPTION

Silquench™ Flame Resistant Hose and Duct Substrate

Design / Construction

| | | | |
|--------------------------------|---------------------------|--|-------------------|
| Interleave : | 1.5 mil PE |  | |
| Side 1: | Uncured Silicone Rubber | | |
| Substrate | Style 1080 fiberglass | | |
| Side 2: | N/A | | |
| Rubber Add-On Thickness | | | |
| | Side 1: | Value | Method |
| | | 0.002" | Arlon SQA-TMS-003 |
| | Side 2: | N/A | Arlon SQA-TMS-003 |
| | Overall Thickness: | 0.005" | Arlon SQA-TMS-003 |
| Product Color : | Gray | | |

PHYSICAL PROPERTIES

| Silicone Properties | | Value | Method |
|---------------------------------|--------------------|--------------|-------------------|
| Tensile Strength | psi | 1000 | ASTM D 412 |
| Elongation | % | 275 | ASTM D 412 |
| Durometer | Shore A Points | 66 | ASTM D 2240 |
| Specific Gravity | --- | 1.47 | Arlon SQA-TMS-024 |
| Substrate Properties | | Value | Method |
| Thickness | | 0.003" | Arlon SQA-TMS-003 |
| Color | | White | N/A |
| Product Properties | | Value | Method |
| Bond Strength (s1 to s2) | lb/in | 3.3 | Arlon SQA-TMS-011 |
| Total Product Weight | oz/yd ² | 5.1 | Arlon SQA-TMS-025 |

SHELF LIFE AND PROCESSING CONDITIONS

Product Shelf Life 6 months from date of manufacture @ 70°F

Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. It does not guarantee the product's usefulness in all applications.

Recommended Cure Cycle 15 minutes @ 250°F and 50 psi

Recommended Post Cure Cycle N/A

Product Operating Temperature -70°F to 400°F

FLAME RESISTANCE

| | |
|------------------------------------|--|
| Flame Resistance: | Product meets Title 14 CFR 25.856(a) Appendix F, Part VI (amdt. 25-111) flame resistance requirements. |
| Flame Propagation (inches): | 0.6 |
| After Flame Time (second): | 0.0 |

The data presented in this document represent typical values for the production material.

The data should not be used to write, or in place of, material specifications.

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