



Elastomeric Material Solutions Division
 1100 Governor Lea Road, Bear, DE 19701
 (302) 834-2100 (302) 834-4021 (Fax)
 www.rogerscorp.com/arlton

| PRODUCT INFORMATION SHEET | |
|------------------------------|-----------|
| ARLON® Product Number | 19576R025 |

PRODUCT DESCRIPTION

| | | | |
|--------------------------------|-------------------------|--------------|-------------------|
| Design / Construction | | | |
| Side 1: | Cured Silicone Rubber | | |
| Substrate: | Style 1523 fiberglass | | |
| Side 2: | Uncured Silicone Rubber | | |
| Interleave: | 0.0025" polyethylene | | |
| Rubber Add-On Thickness | | Value | Method |
| Side 1: | | 0.004" | Arlon SQA-TMS-003 |
| Side 2: | | 0.007" | Arlon SQA-TMS-003 |
| Overall Thickness: | | 0.025" | Arlon SQA-TMS-003 |

Product Color: Red

TYPICAL PROPERTIES

| | | Value | Method |
|-----------------------------------|--------------------|--------------|-------------------|
| Side 2 Silicone Properties | | | |
| Tensile Strength | psi | 1100 | Arlon SQA-TMS-008 |
| Elongation | % | 650 | Arlon SQA-TMS-008 |
| Durometer | Shore A Points | 44 | Arlon SQA-TMS-014 |
| Specific Gravity | --- | 1.24 | Arlon SQA-TMS-024 |
| Side 1 Silicone Properties | | | |
| Tensile Strength | psi | 890 | Arlon SQA-TMS-008 |
| Elongation | % | 550 | Arlon SQA-TMS-008 |
| Durometer | Shore A Points | 52 | Arlon SQA-TMS-014 |
| Specific Gravity | --- | 1.35 | Arlon SQA-TMS-024 |
| Substrate Properties | | | |
| Thickness | | 0.014" | Arlon SQA-TMS-003 |
| Color | | Red | N/A |
| Product Properties | | | |
| Dielectric Strength | volts/mil | 474 | Arlon SQA-TMS-020 |
| Bond Strength (S2 to S2) | lb/in | 11.5 | Arlon SQA-TMS-011 |
| Total Product Weight | oz/yd ² | 25.2 | Arlon SQA-TMS-025 |

SHELF LIFE & PROCESSING RECOMMENDATIONS

| | |
|--|---|
| Product Shelf Life | 6 months from date of manufacture @70°F |
| <i>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.</i> | |
| Recommended Cure Cycle | 15 minutes @ 350°F and 50 psi |
| Recommended Post Cure Cycle | 400°F for 2 hours |
| Product Operating Temperature | -70°F to 428°F |

The data presented in this document represents typical values for the production material. Typical values should not be used for specification limits. Please verify that any printed hard copy of this datasheet is current by referencing: www.rogerscorp.com/arlton

The information contained in this Data Sheet is intended to assist you in designing with Rogers' ARLON Materials. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' ARLON Materials for each application. The Rogers logo, Helping power, protect, connect our world and ARLON are trademarks of Rogers Corporation or one of its subsidiaries. ©2017 Rogers Corporation, All rights reserved. Printed in U.S.A., 0317-PDF, Publication #202-062