



**Elastomeric Material Solutions Division**  
 1100 Governor Lea Road, Bear, DE 19701  
 (302) 834-2100 (302) 834-4021 (Fax)  
[www.rogerscorp.com/arlon](http://www.rogerscorp.com/arlon)

PRODUCT INFORMATION SHEET	
<b>ARLON® Product Number</b>	940-10BxxFR-P1

PRODUCT DESCRIPTION			
1.0" wide, 0.040" thick, black, rectangular cross-section, silicone self-fusing tape. Product is supplied in various yard-long roll lengths as indicated by the xx characters in the part number. Meets Commercial Item Description A-A-59163 (supersedes US Military Specification MIL-I-46852C) except for packaging. The following tests are conducted with sampling dictated by MIL-I-46852C: Thickness, Width, Bond Strength, Tensile Strength, Elongation, Dielectric Strength, and Water Absorption.			
<b>Design / Construction</b>			
<b>Rubber:</b>	Cured 195CB Self-fusing Silicone Rubber		
<b>Cross-Section:</b>	1.00" Wide Rectangular		
<b>Interleave:</b>	0.0025" Polyethylene		
<b>Rubber Thickness</b>		<b>Value</b>	<b>Method</b>
	<b>Rubber:</b>	0.040"	Arlon SQA-TMS-012
<b>Product Color :</b>	<b>Black</b>		
TYPICAL PROPERTIES			
<b>Product Properties</b>		<b>Value</b>	<b>Method</b>
<b>Tensile Strength</b>	<b>psi</b>	1250	Arlon SQA-TMS-009
<b>Elongation</b>	<b>%</b>	628	Arlon SQA-TMS-009
<b>Durometer</b>	<b>Shore A Points</b>	60	Arlon SQA-TMS-014
<b>Specific Gravity</b>	<b>---</b>	1.35	Arlon SQA-TMS-024
<b>Volume Resistivity</b>	<b>Ω·cm</b>	1.6x10 <sup>15</sup>	Arlon SQA-TMS-046
<b>Government Bond Strength</b>	<b>lb./in.</b>	2.9	Arlon SQA-TMS-015
<b>Water Absorption</b>	<b>%</b>	0.9	Arlon SQA-TMS-016
<b>Dielectric Strength</b>	<b>vpm</b>	493	Arlon SQA-TMS-020
<b>Flame Resistance</b>	<b>Flame and Glow (sec.)</b>	3.3	FAR 25.853 App.F, P.1, .Aii
	<b>Char length (in.)</b>	0.3	FAR 25.853 App.F, P.1, .Aii
SHELF LIFE AND RECOMMENDED OPERATING TEMPERATURE			
<b>Product Shelf Life</b>	12 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>			
<b>Product Operating Temperature</b>	-65° to +400°F		
UL RECOGNITION			
<b>File : E54153</b>	Rubber Compound 195CB used to manufacture this product meets the UL94 V-0 flame resistance requirements and is recognized by Underwriters Laboratories.		

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/arlon](http://www.rogerscorp.com/arlon)

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. ©2018 Rogers Corporation, All rights reserved. Printed in U.S.A., 1218-PDF, Publication #202-194