




SILICONE TECHNOLOGIES DIVISION  
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PRODUCT INFORMATION SHEET	
<b>Arlon Product Number</b>	99710W008

PRODUCT DESCRIPTION			
8 mil thick Thermabond® T20 electrically insulating electronic adhesive.			
<b>Design / Construction</b>			
<b>Liner:</b>	1 mil FEP		
<b>Product:</b>	Uncured Silicone Rubber		
<b>Carrier:</b>	3 mil PTFE coated fiberglass		
<b>Product Thickness</b>	<b>Thickness:</b>	<b>Method</b>	
	8 mil	Arlon SQA-TMS-003	
<b>Product Color :</b> White			
PHYSICAL PROPERTIES			
<b>Silicone Compound Physical Properties</b>		<b>Value</b>	<b>Method</b>
<b>Tensile Strength</b>	psi	650	ASTM D 412
<b>Elongation</b>	%	25	ASTM D 412
<b>Durometer</b>	Shore A Points	83	ASTM D 2240
<b>Thermal Conductivity</b>	W/m-K	0.8	ASTM E 1530
<b>Specific Gravity</b>	---	1.6	Arlon SQA-TMS-024
<b>Glass Transition Temperature</b>	°C	-116	ASTM E 1356
<b>Product Physical Properties</b>		<b>Value</b>	<b>Method</b>
<b>Dielectric Strength</b>	volts/mil	1000	ASTM D 149
<b>Lap Shear Strength</b>	psi	380	ASTM D 1002
<b>Shear Modulus</b>	psi	100	Arlon SQA-TMS-018
<b>Thermal Resistance</b>	°C-in <sup>2</sup> /W	0.39	ASTM E 1530
<b>Total Product Weight</b>	g/m <sup>2</sup>	325	Arlon SQA-TMS-025
PROCESSING RECOMMENDATIONS			
<b>Product Shelf Life</b>	6 months from DOM at 45°F +/- 5°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.</i>		
	<i>It does not guarantee the product's usefulness in all applications.</i>		
<b>Recommended Primers</b>	Dow Corning S2260 or Lord Chemical Chemlok® 607		
<b>Recommended Cure Cycle</b>	15 min @ 285°F under pressure		
<b>Recommended Postcure Cycle</b>	None		
<b>Product Operating Temperature</b>	-100 to 400°F		

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.

Last Revised November 7<sup>th</sup>, 2005.