

## Garlock 660

### MATERIAL PROPERTIES\*

<b>Composition:</b>	Vegetable fiber with cork granules and glue-glycerin binder
<b>Fluid Services<sup>1</sup>:</b>	Water, aliphatic hydrocarbons, oils and gasoline
<b>Temperature<sup>2</sup>, °F (°C), Maximum:</b>	+212 (+100)
<b>Pressure<sup>2</sup>, Maximum, psig (bar):</b>	200 (13.8)
<b>P x T (max.)<sup>2</sup>, psig x °F (bar x °C):</b>	40,000 (1,300)
<b>Meets Specification:</b>	ASTM-D-1170-62T Grade P-3415-A, SAE J90 Grade P-3415-A, MIL-G-12803C Grade P-3415-A

### TYPICAL PHYSICAL PROPERTIES\*

<b>ASTM F36</b>	<b>Compressibility</b> at 1000psi, range, %:	40-55	
<b>ASTM F36</b>	<b>Recovery, %:</b>	40	
<b>ASTM F152</b>	<b>Tensile, Across Grain, psi (N/mm<sup>2</sup>):</b>	1000 (7)	
<b>ASTM D149</b>	<b>Dielectric Properties, range, volts/mil.</b>		
	Sample conditioning	<u>1/16"</u>	<u>1/8"</u>
	None	18	-
	96 hours at 100% Relative Humidity:	-	-
<b>ASTM F586</b>	<b>Design Factors</b>	<u>1/16" &amp; Under</u>	<u>1/8"</u>
	"m" factor:	2.2	2.2
	"y" factor, psi (N/mm <sup>2</sup> ):	1000 (6.9)	2000 (13.8)

### IMMERSION PROPERTIES\* - ASTM F146 Fluid Resistance after Twenty-two Hours

	<b>Distilled Water</b> 70-85°F (20-30°C)	<b>ASTM IRM #903</b> 70-85°F (20-30°C)	<b>ASTM Fuel B</b> 70-85°F (20-30°C)
<b>Thickness Increase, (%)</b>	<30	<5	<5
<b>Weight Increase, (%)</b>	<100	<30	<30

#### Notes:

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on 1/32" (0.8mm) sheet thickness unless otherwise mentioned.

\* Values do not constitute specification Limits