



## Garlock LEAK-GARD™ 3750

### MATERIAL PROPERTIES\*

<b>Color:</b>	Red
<b>Composition:</b>	Synthetic fibers with a proprietary rubber binder
<b>Fluid Services<sup>1</sup>:</b>	Aliphatic hydrocarbons, oils and gasoline
<b>Temperature<sup>2</sup>, °F (°C)</b>	
Minimum:	-100 (-73)
Continuous Max:	+400 (+205)
<b>Pressure<sup>2</sup>, Maximum, psig (bar):</b>	1200 (83)
<b>P x T (max.)<sup>2</sup>, psig x °F (bar x °C)</b>	
1/32 and 1/16":	350,000 (12,000)
1/8":	250,000 (8,600)

### PHYSICAL PROPERTIES\*

<b>ASTM F36</b>	<b>Compressibility, range, %:</b>	10
<b>ASTM F36</b>	<b>Recovery, %:</b>	52
<b>ASTM F38</b>	<b>Creep Relaxation, %:</b>	22
<b>ASTM F152</b>	<b>Tensile, Across Grain, psi (N/mm<sup>2</sup>):</b>	3056 (21)
<b>ASTM D149</b>	<b>Dielectric Properties, range, volts/mil.</b>	
	Sample conditioning	1/16"      1/8"
	3 hours at 250°F:	496      285
	96 hours at 100% Relative Humidity:	-      -
<b>ASTM F104</b>	<b>Line Call Out:</b>	F712803B4E05L100M9 <sup>(3)</sup>

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

	ASTM #1 Oil 300°F (150°C)	ASTM IRM #903 300°F (150°C)	ASTM Fuel A 70-85°F (20-30°C)	ASTM Fuel B 70-85°F (20-30°C)
<b>Thickness Increase Range, (%)</b>	22.5 <sup>(4)</sup>	66.4 <sup>(4)</sup>	-	22 <sup>(4)</sup>
<b>Weight Increase, Max., (%)</b>	-	-	-	-
<b>Tensile Loss, Max., (%)</b>	-	-	-	-

#### 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

<sup>1</sup> See Garlock chemical resistance guide.

<sup>2</sup> Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum PxT, consult Garlock Applications Engineering. Minimum temperature rating is conservative.

<sup>3</sup> M9: Tensile Strength = 3,056psi min. (21N/mm<sup>2</sup> min.).

<sup>4</sup> Thickness measured with a 9 oz. weight before immersion and 3 oz. after immersion.