



Garlock LEAK-GARD™ 3750

MATERIAL PROPERTIES*

Color:	Red
Composition:	Synthetic fibers with a proprietary rubber binder
Fluid Services¹:	Aliphatic hydrocarbons, oils and gasoline
Temperature², °F (°C)	
Minimum:	-100 (-73)
Continuous Max:	+400 (+205)
Pressure², Maximum, psig (bar):	1200 (83)
P x T (max.)², psig x °F (bar x °C)	
1/32 and 1/16":	350,000 (12,000)
1/8":	250,000 (8,600)

PHYSICAL PROPERTIES*

ASTM F36	Compressibility, range, %:	10
ASTM F36	Recovery, %:	52
ASTM F38	Creep Relaxation, %:	22
ASTM F152	Tensile, Across Grain, psi (N/mm²):	3056 (21)
ASTM D149	Dielectric Properties, range, volts/mil.	
	Sample conditioning	<u>1/16"</u> <u>1/8"</u>
	3 hours at 250°F:	496 285
	96 hours at 100% Relative Humidity:	- -
ASTM F104	Line Call Out:	F712803B4E05L100M9 ⁽³⁾

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)
Thickness Increase, (%)	<22.5 ⁽⁴⁾	<66.4 ⁽⁴⁾	-	<22 ⁽⁴⁾
Weight Increase, (%)	-	-	-	-
Tensile Loss, (%)	-	-	-	-

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

¹ See Garlock chemical resistance guide.

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

³ M9: Tensile Strength = 3,056psi min. (21N/mm² min.).

⁴ Thickness measured with a 9 oz. weight before immersion and 3 oz. after immersion.