



Garlock 681

MATERIAL PROPERTIES*

Composition:	Vegetable fiber with glue-glycerin binder
Temperature², °F (°C), Maximum:	+212 (+100)
Pressure², Maximum, psig (bar):	200 (13.8)
P x T (max.)², psig x °F (bar x °C):	40,000 (1,300)
Meets Specification:	ASTM-D-1170-62T Grade P-3313-B, SAE J90 Grade P-3313-B, MIL-G-12803C Grade P-3313-B and HH-P-96F Type 1

TYPICAL PHYSICAL PROPERTIES*

ASTM F36	Compressibility at 1000psi, range, %:	25-40	
ASTM F36	Recovery , %:	40	
ASTM F152	Tensile , Across Grain, psi (N/mm ²):	2000 (14)	
ASTM D149	Dielectric Properties , range, volts/mil.		
	Sample conditioning	1/16"	1/8"
	None	-	21
	96 hours at 100% Relative Humidity:	-	-
ASTM F586	Design Factors	1/16" & Under	1/8"
	"m" factor:	9.2	5.5
	"y" factor, psi (N/mm ²):	2700 (18.6)	2400 (16.5)

IMMERSION PROPERTIES* - ASTM F146 Fluid Resistance after Five Hours

	Distilled Water 70°F (21°C)	ASTM IRM #903 300°F (150°C)	ASTM Fuel B 70-85°F (20-30°C)
Thickness Increase, (%)	<30	<5	<5
Weight Increase, (%)	<90	<15	<15

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