

Garlock STRESS SAVER® 370

MATERIAL PROPERTIES*:

Color:	Gray-blue (PTFE - no pigment) and Off-white (EPDM)
Composition:	100% pure PTFE bonded to EPDM
Durometer, Shore A, +/-5:	65 (EPDM)
Fluid Service (see chemical resistance guide):	Acids, caustics, water, hydrocarbons, gases & deionized water
Temperature⁽¹⁾, °F (°C)	
Minimum:	-40 (-40)
Maximum:	+300 (+149)
Pressure¹, Maximum, psig (bar):	250 (17)
P x T (max.)¹, psig x °F (bar x °C):	50,000 (1717)

TYPICAL PHYSICAL PROPERTIES*:

ASTM F586	Design Factors
	"m" factor: 2.0
	"y" factor, psi (N/mm ²): 400 (2.7)

CHEMICAL IMPURITIES*:

<u>ELEMENTS</u>	<u>Part/Billion (ppb)</u>	<u>ANIONS</u>	<u>Part/Billion (ppb)</u>	<u>CATIONS</u>	<u>Part/Billion (ppb)</u>
T.O.C.	0.012 ppb (avg)	Chloride	4.700	Potassium	1.500
Aluminum	0.360	Nitrates	3.000		
Barium	4.000	Sulfate	8.400		
Calcium	7.000	Potassium	1.600		
Copper	0.035	Manganese	0.500		
Iron	1.500	Nickel	0.140		
Magnesium	0.500				
Nickel	0.140				
Potassium	1.500				
Sodium	9.800				
Strontium	0.095				
Zinc	2.000				

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

¹ 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.

12/1/2016