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)
Ideal Operating Limit:	+200 (+93)
Pressure[1], psig (bar)	
Minimum:	Full Vacuum
Maximum:	250 (17)
Ideal Operating Limit:	150 (10)
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*:

ELEMENTS	Part/Billion (ppb)	ANIONS	Part/Billion (ppb)	CATIONS	Part/Billion (ppb)
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.

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