

MATERIAL PROPERTIES*:

Color:	Black
Composition:	EPDM elastomer – sulfur cure
Durometer, Shore A, (+/- 5):	80
Temperature¹, °F (°C)	
Minimum:	-40 (-40)
Maximum:	+275 (+135)
Pressure¹, (psig (bar)):	
Preferred operating:	150 (10.4)
Maximum:	250 (17.3)
P x T (max.)¹, psig x °F (bar x °C):	30,000 (900)
Finish Available	
Through 1/8"	Cloth
Over 1/8"	Smooth
Meets Specifications:	NSF 61 (Potable Drinking Water), ASTM D-1330 Grade I and II

TYPICAL PHYSICAL PROPERTIES*:

ASTM D412	Tensile Strength, psi (N/mm²):	1500 (10.4)
ASTM D412	Elongation, %:	185
ASTM D395 B	Compression Set, 25% Deflection, Max. % 22 hours at 158°F (70°C):	25
ASTM D149	Dielectric Properties, range, volts/mil. Sample conditioning	<2 (1/8")
	None	
ASTM F586	Design Factors	
	“m” factor:	1.0
	“y” factor, psi (N/mm ²):	200 (1.4)
ASTM D2000⁽³⁾	Line Call Out:	4BA815A14B13C12

Notes:

* This is a general guide and should not be the sole means of selecting or rejecting this material. Values do not constitute specification limits.

¹ When approaching maximum pressure and/or temperature, minimum temperature or 50% of maximum P x T, consult Garlock Applications Engineering. Minimum temperature rating is conservative.

³ ASTM D2000 line call out is based on testing performed on slabs made to ASTM D412.

**ASME B16.21* Non-metallic Gasket Dimensions for
ASME B16.5 & B16.47 - 150# Flanges**

Pipe Size	Gasket I.D.	Ring		Full Face		
		Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
0.5	0.84	1.88	3.50	2.38	4	0.63
0.75	1.06	2.25	3.88	2.75	4	0.63
1	1.31	2.62	4.25	3.13	4	0.63
1.25	1.66	3.00	4.63	3.50	4	0.63
1.5	1.91	3.38	5.00	3.88	4	0.63
2	2.38	4.12	6.00	4.75	4	0.75
2.5	2.88	4.88	7.00	5.50	4	0.75
3	3.50	5.38	7.50	6.00	4	0.75
3.5	4.00	6.38	8.50	7.00	8	0.75
4	4.50	6.88	9.00	7.50	8	0.75
5	5.56	7.75	10.00	8.50	8	0.88
6	6.62	8.75	11.00	9.50	8	0.88
8	8.62	11.00	13.50	11.75	8	0.88
10	10.75	13.38	16.00	14.25	12	1.00
12	12.75	16.13	19.00	17.00	12	1.00
14	14.00	17.75	21.00	18.75	12	1.13
16	16.00	20.25	23.50	21.25	16	1.13
18	18.00	21.62	25.00	22.75	16	1.25
20	20.00	23.88	27.50	25.00	20	1.25
24	24.00	28.25	32.00	29.50	20	1.38

Series A		Ring		Full Face*		
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	30.50	34.25	31.75	24	1.38
28	28.00	32.75	36.50	34.00	28	1.38
30	30.00	34.75	38.75	36.00	28	1.38
32	32.00	37.00	41.75	38.50	28	1.63
34	34.00	39.00	43.75	40.50	32	1.63
36	36.00	41.25	46.00	42.75	32	1.63
38	38.00	43.75	48.75	45.25	32	1.63
40	40.00	45.75	50.75	47.25	36	1.63
42	42.00	48.00	53.00	49.50	36	1.63
44	44.00	50.25	55.25	51.75	40	1.63
46	46.00	52.25	57.25	53.75	40	1.63
48	48.00	54.50	59.50	56.00	44	1.63
50	50.00	56.50	61.75	58.25	44	1.88
52	52.00	58.75	64.00	60.50	44	1.88
54	54.00	61.00	66.25	62.75	44	1.88
56	56.00	63.25	68.75	65.00	48	1.88
58	58.00	65.50	71.00	67.25	48	1.88
60	60.00	67.50	73.00	69.25	52	1.88

* ASME B16.21 does not provide full face dimensions for ASME B16.47 - 150# flanges.

Series B		Ring		Full Face*		
Pipe Size	Gasket I.D.	Gasket O.D.	Gasket O.D.	Bolt Circle	Bolt Hole Qty.	Bolt Hole Dia.
26	26.00	28.56	30.94	29.31	36	0.88
28	28.00	30.56	32.94	31.31	40	0.88
30	30.00	32.56	34.94	33.31	44	0.88
32	32.00	34.69	37.06	35.44	48	0.88
34	34.00	36.81	39.56	37.69	40	1.00
36	36.00	38.88	41.62	39.75	44	1.00
38	38.00	41.12	44.25	42.12	40	1.12
40	40.00	43.12	46.25	44.12	44	1.12
42	42.00	45.12	48.25	46.12	48	1.12
44	44.00	47.12	50.25	48.12	52	1.12
46	46.00	49.44	52.81	50.56	40	1.25
48	48.00	51.44	54.81	52.56	44	1.25
50	50.00	53.44	56.81	54.56	48	1.25
52	52.00	55.44	58.81	56.56	52	1.25
54	54.00	57.62	61	58.75	56	1.25
56	56.00	59.62	63	60.75	60	1.25
58	58.00	62.19	65.94	63.44	48	1.38
60	60.00	64.19	67.94	65.44	52	1.38

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