

Style 22

MATERIAL PROPERTIES*:

Color:	Red
Composition:	SBR Rubber
Durometer, Shore A, (+/- 5):	75
Temperature¹, °F (°C)	
Minimum:	-10 (-23)
Maximum:	+200 (+93)
Pressure¹, (psig (bar):	
Preferred operating:	150 (10)
Maximum:	250 (17)
P x T (max.)¹, psig x °F (bar x °C):	20,000 (600)
Finish Available	
Through 1/8"	Cloth
Over 1/8"	Smooth
Meets Specifications:	HHG-156 Type III and ASTM D-1330 Grade I and II

TYPICAL PHYSICAL PROPERTIES*:

ASTM D412	Tensile Strength, psi (N/mm²):	700 (5)
ASTM D412	Elongation, %:	150
ASTM D395 B	Compression Set, 25% Deflection, Max. %	
	22 hours at 158°F (70°C):	40
ASTM D149	Dielectric Properties, range, volts/mil.	
	Sample conditioning	<u>1/8"</u>
	None	280 ⁽²⁾
ASTM F586	Design Factors	
	"m" factor:	1.0
	"y" factor, psi (N/mm ²):	200 (1.4)
ASTM D2000⁽³⁾	Line Call Out:	2AA807A13Z1

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 PxT, consult Garlock Applications Engineering. Minimum temperature rating is conservative.

² Indicates the electrical current arced around and not through the gasket. Dielectric strength is higher than what is shown.

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

REV: 11/9/16

**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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