

Thomson STYLE 4500

NSF/ANSI 61 Certified
EPDM Rubber Sheet



FEATURES / BENEFITS

- NSF/ANSI 61 Certified and meets/exceeds NSI/AWWA C111/A21.11 compound requirements.
- Custom cut gaskets manufactured by A.R. Thomson Group, an NSF Certified gasket fabricator.

TYPICAL APPLICATIONS

- Drinking water applications.

SPECIFICATIONS

Construction:
EPDM elastomer

Temperature:
Min: -20°F (-29°C)
Max: +250°F (+121°C)

Durometer ASTM D 2240:
75 (+/- 5) Shore A

Colour: Black

See reverse for technical information.

TECHNICAL DATA - STYLE 4500

Physical Properties

TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM D412	Tensile strength: psi	1500
ASTM D412	Elongation: %	150
	Compression set: %	≤ 20

Bolt Torque Values - Full Face Gaskets on ASME B16.5 Class 150 Flat Face Flanges

Flange Size (in.)	No. of Bolts	Bolt Size (In.)	Min. Req'd Gasket Stress (PSI)	MIN. Torque. (ft-lbs.)	MAX. Avail. Gasket Stress (PSI)	MAX. Torque. (ft-lbs.)
0.5	4	0.500	600	9	1200	18
0.75	4	0.500	600	11	1200	22
1	4	0.500	600	13	1200	26
1.25	4	0.500	600	15	1200	30
1.5	4	0.500	600	17	1200	35
2	4	0.625	600	31	1200	62
2.5	4	0.625	600	42	1200	85
3	4	0.625	600	46	1200	92
3.5	8	0.625	600	29	1200	57
4	8	0.625	600	31	1200	62
5	8	0.750	600	42	1200	83
6	8	0.750	600	47	1200	94
8	8	0.750	600	67	1200	135
10	12	0.875	600	66	1200	132
12	12	0.875	600	96	1200	192
14	12	1.000	600	135	1200	271
16	16	1.000	600	122	1200	244
18	16	1.125	600	137	1200	274
20	20	1.125	600	129	1200	258
24	20	1.250	600	181	1200	362

NOTES: 1. Assuming new, non-coated and well lubricated bolts and nuts are used at room temperature; nut factor K = 0.18. Multiply torque values by a factor of "K / 0.18" if using a lubricant with a different K factor. 2. The pressure and temperature rating of elastomeric material varies by type. 3. Assuming ASME PCC-1 bolting pattern is followed. 4. Flange imperfections, rotation and deflection are ignored. 5. Bolt torque values in above Table are for reference only. User is responsible for applying appropriate bolt loads to properly seat the gasket.

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