

THOMSON OPTI-LOAD® PXC EPDM

Peroxide-Cured EPDM gasket with greater temperature and chemical resistance. Molded with integral sealing rings for greater sealability.



FEATURES / BENEFITS

- Raised sealing rings reduce the seating area of the gasket, lowering the required load to achieve a seal.
- Sealing rings also help maintain the seal during thermal and pressure cycling.
- Peroxide Cured EPDM has greater temperature, chemical and aging resistance compared with sulfur cured EPDM.
- Very good resistance to mild caustics, hot water and low pressure steam.
- Identification tab on outside of gasket allows operator to verify size and material when in service.

TYPICAL APPLICATIONS

- Non-critical service in Chlor-Alkali industry.
- Hot water, low pressure Steam, Dilute Alkalis, brake fluid.

SPECIFICATIONS

Construction:

High Performance Peroxide Cured EPDM

Color: Black

Temperatures:

Minimum: -55°F (-13°C)

Intermittent: +300°F (+149°C)

Durometer, Shore A ± 5 : 65

Pressure, max: 250 psi (17 bar)

See reverse for recommended bolt torque values and other technical data.

TECHNICAL DATA - OPTI-LOAD® PXC EPDM

Physical Properties

TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM D412	Elongation: %	350
	Tensile: psi	1450

Bolt Torque Values for Thomson Opti-Load® Gaskets on ASME B16.5 Flat Face Flanges

NPS (IN)	NO. OF BOLTS	SIZE OF BOLTS (IN)	MIN. SUGGESTED TORQUE (FT. LBS.)	PREFERRED TORQUE RANGE (FT. LBS.)	
				MIN	MAX
0.5	4	0.50	5	9	19
0.75	4	0.50	6	12	23
1	4	0.50	7	14	28
1.25	4	0.50	8	16	32
1.5	4	0.50	10	19	37
2	4	0.63	17	33	66
2.5	4	0.63	23	45	90
3	4	0.63	25	49	97
3.5	8	0.63	15	30	60
4	8	0.63	17	33	66
5	8	0.75	21	41	82
6	8	0.75	23	46	92
8	8	0.75	33	66	132
10	12	0.88	32	64	128
12	12	0.88	47	93	186
14	12	1.00	67	134	268
16	16	1.00	60	120	241
18	16	1.13	66	132	264
20	20	1.13	62	124	249
24	20	1.25	87	173	347

NOTES

This is a general guide and should not be the sole means of selecting or rejecting this material. Consult A.R. Thomson Group when approaching maximum pressure or temperature.

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