THOMSON OPTI-LOAD® AFLAS®

Opti-Load Aflas gasket is a low load to seal gasket made from Aflas rubber - an extremely versatile elastomer with exceptional chemical and temperature capabilities. Especially suited for Chlor-Alkali plants.

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.
- Excellent resistance to Steam and hot water.
- Excellent resistance to caustics and acids.
- Good resistance to most Hydrocarbons.
- Superior Dielectric strength.
- High Temperature capability compared to standard elastomers.
- Identification tab on the outside diameter of the gasket allows operator to verify material and size while in service.

TYPICAL APPLICATIONS

- Non-metallic flanges and flanges that have limited seating stress available.
- Most chemical service (acid and caustic) where steam and hot water may be present.
- Chlor-Alkali applications such as Sodium Hypochlorite, and caustic soda.

SPECIFICATIONS

Construction:
Aflas Elastomer

Color: Black

Temperature, max:
Minimum: -9°F (-16°C)
Intermittent: +400°F (+203°C)

Durometer, Shore A ±5: 70

Pressure: 250 psi (17 bar)

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

TECHNICAL DATA - OPTI-LOAD® AFLAS®

Physical Properties

TEST METHOD	TYPICAL PHYSICAL PROPERTIES	
ASTM D412	**Elongation:** %	271
ASTM D395B	**Compression set before 22 hrs @ 175°C:** %	11

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

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