

Low Torque AV Gaskets

Standard Features (Sizes 1/2" - 12")

- PTFE or PVDF-bonded EPDM for maximum corrosion resistance
- Perfect sealing at low bolt tightening torque ratings, longer gasket life
- Ideal for plastic piping systems, as well as metal or plastic-lined metal systems
- Sulfur cured
- Durometer:

1) EPDM:	65 - 70
2) PTFE-bonded:	95 - 100
3) PVDF-bonded:	83 - 85
- Working temperature:

1) EPDM:	-40° - 195° F
2) PTFE-bonded:	-40° - 250° F
3) PVDF-bonded:	-40° - 250° F
- Approximately a one-third bolt tightening torque rating as compared with flat or envelope type gasket.
- Thickness of bonded materials

PTFE: All Sizes:	0.016" [0.4mm]
PVDF: Sizes 1/2" - 2":	0.016" [0.4mm]
PVDF: Sizes 3" - 10":	0.020" [0.5mm]
- PTFE-bonded gasket excellent for most corrosive chemicals
- PVDF-bonded gasket is ideal for the following:
 - 1) Semiconductor industry, because of its purity
 - 2) Aggressive chemicals (strong acids, bases, halogens, etc.)
 - 3) Media that generates any volatile gas (PVDF gas permeation is only 1/50 of PTFE)
- Both the PTFE and PVDF-bonded gaskets employ a proprietary laminating process for bonding to EPDM, providing the greater elasticity required for lower sealing torques

Sample Specification

All AV gaskets shall be of low torque, full face to ANSI B16.5 dimensions and shall have two concentric, convex, molded rings between center hole and bolt hole circle in EPDM, PTFE-bonded EPDM or PVDF-bonded EPDM, as manufactured by Asahi/America, Inc.

Specifications

- Materials/Sizes:**
- 1) EPDM: 1/2" - 12"
 - 2) PTFE-bonded EPDM: 1/2" - 12"
 - 3) PVDF-bonded EPDM: 1/2" - 10"
(Except 1-1/4" and 2-1/2")

Dimensions (Sizes 1/2" - 12") (in.)

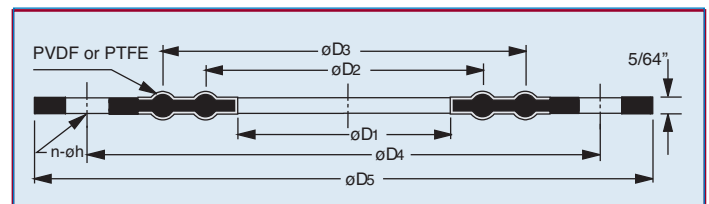
NOMINAL SIZE								
INCHES	mm	D1	D2	D3	D4	D5	h	n
1/2	15	0.7	1.0	1.6	2.4	3.4	0.6	4
3/4	20	0.9	1.3	1.9	2.4	3.8	0.6	4
1	25	1.2	1.5	2.1	3.1	4.2	0.6	4
1-1/4	32	1.5	2.0	2.6	3.5	4.5	0.6	4
1-1/2	40	1.7	2.1	2.7	3.9	4.9	0.6	4
2	50	2.1	2.7	3.3	4.7	5.9	0.8	4
2-1/2	65	2.7	3.4	4.0	5.5	6.9	0.8	4
3	80	3.2	3.9	4.4	6.0	7.4	0.8	4
4	100	4.0	4.7	5.4	7.5	8.9	0.8	8
5	125	5.0	5.7	6.5	8.5	9.9	0.9	8
6	150	5.9	6.6	7.5	9.5	10.9	0.9	8
8	200	7.8	8.5	9.7	11.8	13.4	0.9	8
10	250	9.8	10.6	12.1	14.3	15.9	1.0	12
12	300	11.1	12.8	13.9	17.0	18.9	1.0	12

Recommended Bolt Torque*

NOMINAL SIZE		PTFE PVDF	EPDM
INCHES	mm		
1/2	15	174	157
3/4	20	174	157
1	25	174	157
1-1/4	32	191	165
1-1/2	40	217	174
2	50	217	174
2-1/2	65	304	217
3	80	304	217
4	100	304	217
5	125	348	260
6	150	348	260
8	200	435	304
10	250	435	304
12	300	522	435

* Expressed in INCH-POUNDS

PVDF or PTFE-Bonded Gasket



EPDM Gasket

