

Low Torque AV Gasket Data Sheet



FEATURES:

- Available in PTFE-bonded EPDM or PVDF-bonded EPDM for excellent corrosion and chemical resistance
- Provides reliable sealing at low bolt tightening torque, helping extend gasket life
- Requires approximately one-third the bolt tightening torque compared to flat or envelope-type gaskets
- Suitable for plastic piping systems as well as metal and plastic-lined metal systems
- Durometer:
 - EPDM: 65 - 70
 - PTFE-bonded: 95 - 100
 - PVDF-bonded: 83 - 85
- Working temperature:
 - EPDM: - 40° - 195° F
 - PTFE-bonded: - 40° - 250° F
 - PVDF-bonded: - 40° - 250° F
- Thickness of bonded materials
 - PTFE: All Sizes: 0.012" (0.3mm)
 - PVDF: Sizes 1/2" - 2": 0.016" (0.4mm)
 - PVDF: Sizes 3" - 10": 0.016" (0.4mm)
- PTFE-bonded gaskets provide excellent resistance to most corrosive chemicals
- PVDF-bonded gaskets are ideal for semiconductor applications due to high purity, aggressive chemicals such as strong acids, bases, and halogens, and media generating volatile gases, as PVDF gas permeation is only 1/50 of that 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

SPECIFICATIONS:

MATERIALS: EPDM: 1/2" - 12"
PTFE-bonded EPDM: 1/2" - 12"
PVDF-bonded EPDM*: 1/2" - 10"

* PVDF-bonded EPDM size range excludes sizes 1-1/4" and 2-1/2"

RECOMMENDED BOLT TORQUE (FT-LBS.):

Nominal Size		EPDM	PTFE-bonded EPDM	PVDF-bonded EPDM
inches	mm			
1/2	15	6	13	13
3/4	20	6	13	13
1	25	15	15	15
1-1/4	32	15	15	N/A
1-1/2	40	15	15	15
2	50	17	17	17
2-1/2	65	17	17	N/A
3	80	22	22	22
4	100	22	22	22
5	125	30	30	30
6	150	30	30	30
8	200	41	41	41
10	250	41	41	41
12	300	44	44	44