

AV Gaskets

1.0 Scope:

All requirements are for EPDM, PVDF bonded EPDM, or PTFE bonded EPDM Low Torque AV Gaskets.

2.0 Materials:

PVDF – Conforming to ASTM D3222-91A Cell Classification Type II

EPDM – Ethylene Propylene Diene Terpolymer Rubber

PTFE - Teflon® Polytetrafluoroethylene

2.1 Material continued:

Durometer values:

EPDM: 65 – 70

PTFE Bonded: 95-100

PVDF: 83-85

Curing process:

Sulfur cured

3.0 Gaskets:

Gaskets shall be of Low Torque design, full face to ANSI B16.5 dimensions and have 2 raised convex rings concentric to center hole and bolt circle. Gaskets shall require about 1/3 the tightening torque of other flat type or envelope style gaskets.

3.1 Approved Manufacturer

Gaskets shall be provided by Asahi/America, Inc. of Lawrence, MA with no approved equals. Manufacturer must be ISO-9001 certified.

4.0 Working Temperature:

Gaskets shall have temperature ratings as follows:

EPDM -40 to 195°F

PVDF-bonded -40 to 250°F

PTFE-bonded -40 to 250° F

5.0 Installation Procedures:

All valve joints shall be flanged and prepared using Asahi AV gaskets for 150 lb flanges. The recommended bolt torque and installation procedure shall be to the manufacturers standard specifications and requirements.