

KES

Test Method of Sealability for Gasket Material

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1. Scope of Application

This standard specifies the method for measuring the sealability of gasket materials.

2. Method A

2.1 Overview

This method is the method to evaluate the sealing characteristics of the gasket materials under corrosion.

2.2 Device

(1) Leakage testing device :

Testing device should be able to have the pressure gage for 0~300Psi and shall be installed as in Figure 1.

(2) Air compressor :

One that can apply 90Psi to the testing device.

2.3 Cautions

Keep the testing device within 150Psi.

2.4 Specimen and material

Use the sample with 114mm inner diameter, 165mm outer diameter and the production state thickness.

2.5 Operation

(1) Hold the gasket material in the testing device.

(2) Paint MOS_2 or grease on the bolt and hold with a torque specified in the drawing. If the drawing specification is not available, tighten with 29lbf ft.

(3) Hold bolts according to the Figure 2, and apply air pressure of 90Psi on the testing device.

(4) Measure the air pressure at every hour.

At this point, test completion time shall be 20 hours and record the temperature.

(5) After test completion, tighten the bolts with 42 lbf · ft and measure the pressure and the temperature again to record.

(6) Also measure the bolt torque at 63 lbf · ft, 75 lbf · ft and 90 lbf · ft.