

KES

Test for Adhesion of Solid Film Lubricants

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1. Scope of application

This standard shall regulate test for adhesion of solid film lubricants.

2. Introduction of method

Grease supplies currents to aluminum plate. Soak in water and other liquid for 24 hours.

And next, clean and make it dry. Extrude piece of masking tape to plate. And remove abruptly. Membrane exposed on the metal plate is a standard of lack.

3. Definition

Grease lubrication: This is a dried clothing composed of lubricating powder. One or both lubricating surface is bond with solid matrix.

4. Device

4.1 Steel roller covered with rubber-steel roller is covered with rubber, which is 3.25 ± 0.1 in (82.6 ± 2.5 mm) in diameter, 1.75 ± 0.05 in (44.5 ± 1.3 mm) in width, 80 ± 5 in hardness, and $1/4$ in (6.4 mm) in thickness. It is suitable that weight of roller supply pressure on the sample about 4.5 ± 0.116 (2.04 ± 0.05 kg). Because this shall be more researched, weight of control rod should not be added to weight of roller.

4.2 Style or balance

4.3 Forced circulating type oven: This can keep 300 ± 10 °F (149 ± 5.5 °C).

4.4 Micrometer: Contain one ball and can read 0 to 1 ± 0.0001 .