

KES

Test method of IRHD

KES T – L440

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1. Scope of application

This standard shall be applied to hard rubber in the range of 30~85 IRHD. In addition, this can also be applied to that in the range of 30~95 IRHD.

2. Principle of measuring method

Determine hardness of rubber by measuring the difference of depth after applying first and second load on a rubber of which end is round.

3. Test equipment

Use micro hardness tester as shown in the example figure.

Detailed dimensions, load and loading time of this tester are shown in the table.

4. Test sample

4.1 Dimension of sample

(1) Upper and lower surface of a test sample should be even and smooth, and both should be parallel.

(2) Measuring point of width should be apart from the end of test sample by 2mm or more.

If there is no space for 2mm or more, measure at the point away from the edge as far as possible.

4.2 State of test sample

(1) Test should be done within 16 hours (72 hours if possible) after emulsification.

(2) Leave it alone for 3 hours at the condition in case that the test is performed in the standard test temperature.

(3) If it is impossible to test in the standard test temperature, leave the test sample alone sufficiently to reach the temperature.