

KES

Method of Determination
of Plasticity Retention
Index for Raw Natural Rubber

KES T – L482

(EST.) 1993 – 07 – 20

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1. Scope of application

This standard shall specify to method of determination of plasticity retention index for raw natural rubber.

2. Standard state of laboratory

Temperature of laboratory should be 20°C as principle, record the temperature in test record. Relative humidity of laboratory should be $50 \pm 20\%$.

3. Testing material

Testing material is made by 3.1.1, 3.13 and 3.2 regulated in SRIS 3103 (Measuring method for plasticity by Rapid Plastimeter). Testing materials are divided into two randomly. Then they are used in measurement of plasticity after heating and before heating.

4. Testing device

4.1 Measuring device for plasticity

Measuring device for plasticity regulated in 4 of SRIS 3103 is used.

But, diameter of $10 \pm 0.02\text{mm}$ should be used for upper parallel circular heating plate.

4.2 Constant temperature tank

Aging tester of heating air type (1) is used for constant temperature tank regulated in KES B-L006 (Testing method for rubber material). But, surrounding temperature should be $140 \pm 0.5^\circ\text{C}$. And, close the door after putting testing material, the temperature of tank should reach $140 \pm 0.5^\circ\text{C}$.

Note (1) Constant temperature tank may be selected by agreement of concerned people.