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DW5360 RUBBER PLASTICITY TESTER





Model No.

DW5360

Application:

DW5360 Rubber Plasticity Tester is used for rapid determination of the plasticity of raw rubber and unvulcanized compounded rubber, and determination of plasticity retention index (PRI) of raw natural rubber. It consists of main machine, ageing chamber, specimen cutter and thickness gauge.

Plasticity Test: A specimen is compressed between two platens which are maintained at a temperature of 100°C. The specimen is conditioned for 15 seconds at a thickness of 1mm. A compressive force of 100N±1N is then applied for 15s. The final thickness of the test piece is the plasticity number.

Plasticity Retention Index (PRI) Test: A specimen is placed in special ageing chamber at a temperature of 140°C for 30mins. Separately determine the plasticity value of unaged specimen (P₀) and aged specimen (P₃₀), then calculate to acquire PRI value.

PRI= P₃₀/P₀*100

Related Standards:

STANDARDS	ISO2007	ISO2930	GB/T3510 GB/T3517
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Note: this tester can conform to but not limit to all the standards above, for more standards conformance, please contact us.

Features:

- 2 test item: plasticity and plasticity retention index (PRI);
- Rapid heating speed, high accuracy;
- Adopt advanced technology, stable performance;
- Easy to operate, convenient to maintain.

Key Specification:

Main machine

- Temperature 100±0.5°C
- Load 100±1N



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- Power supply 220V
- Power 150W
- Dimensions 350×260×380mm

Ageing chamber

- Temperature $140 \pm 0.5^{\circ}\text{C}$
- Power supply 220V
- Power 400W
- Timing 30min \pm 5s
- Dimensions 580×260×280mm

Standard configuration:

No.	Item	Quantity
1	Main machine	1set
2	Ageing chamber	1set
3	Specimen cutter	1set
4	Thickness gauge	1set

Optional Accessories:

No.	Item
1	