

Mooney Viscometer

Model: SR-320

门尼粘度仪



Summary:

Mooney rubber Viscometer testing machine

rubber rotor rheometer Measurement of vulcanization characteristics, requirements, ISO6502 requirements and Italian standards require T10, T30, T50, T60, T90 data.

Feature:

- 1.the strong data function can support the drawing,storage and output printing of multiple curves under the same interface.
- 2.it support the data query in many forms and output of excel queries and reports
- 3.it has many analysis function like statics, deviation setting,standards curve setting ,and CPK statistical calculation

4. it has such function as interface query, local zoom and curve comparison.
5. selection of any any vulcanization time, range selection and screen capture.
6. analyzed the past test data once again, and increase or modify the reports, to avoid the loss of data.
7. the test data are stored in the way of database, which is scientist the multiple data sequencing ways are convince for data retrieval and query.
8. the machine will get the characteristic curve and data by measuring the strength of rubber.
9. good reproducible and stasis tics.

Standards:

ASTM-D2084, ASTM-D5289, ISO-6502, ASTM-D1646,

Technical Parameter:

Model	SR-320
Control temperature range	Normal temperature ~200°C
Temperature display resolution	0.01°C (0.1 °C common type of imported temperature controller temperature)
Temperature control accuracy	±0.3°C
Calibration accuracy	Mooney value ±0.5
Rotor speed	2 rotation/ min ±0.02 rotation/ min
Torque range	Mooney value 0~200
Torque resolution	Mooney value 0.1
Print content	Date, time, temperature, Mooney scorch curve and MV, T5, T35, T3, T18, @15, @30
Power	50HZ, ~220V±10%

Test Results

Measure of Mooney viscosity (Large rotor):

MI -- initial Mooney viscosity.

ML – The minimum Mooney value in the last 30 seconds before the motor stopped.

Mx-t - Mooney value relating to time t.

x-the time of preheat, t-Mooney test time

Stress Relaxation

MRe - Mooney value at the end of stress relaxation.

TRx - time needed for x% torque stress relaxation.

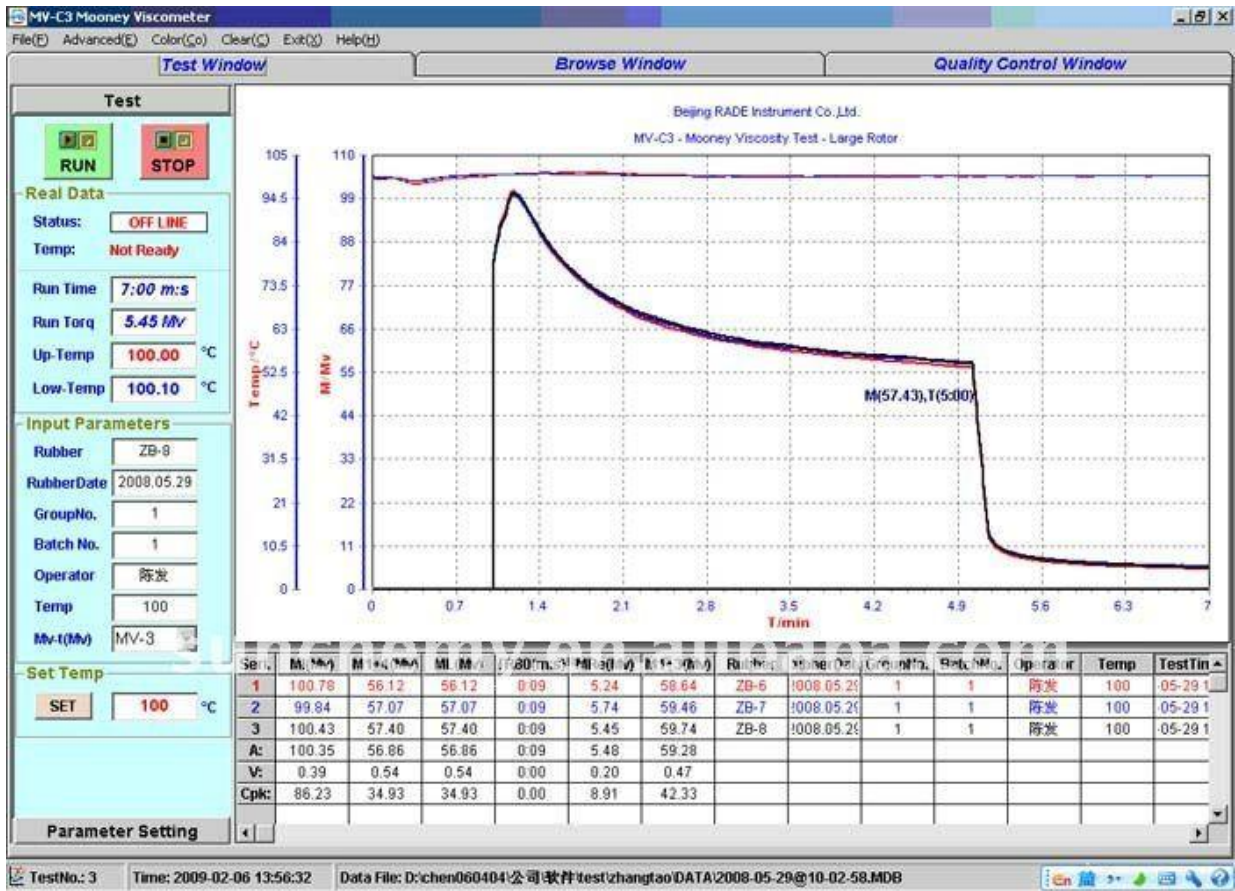
Xy% - % of Viscosity decay after motor stopped y sec.

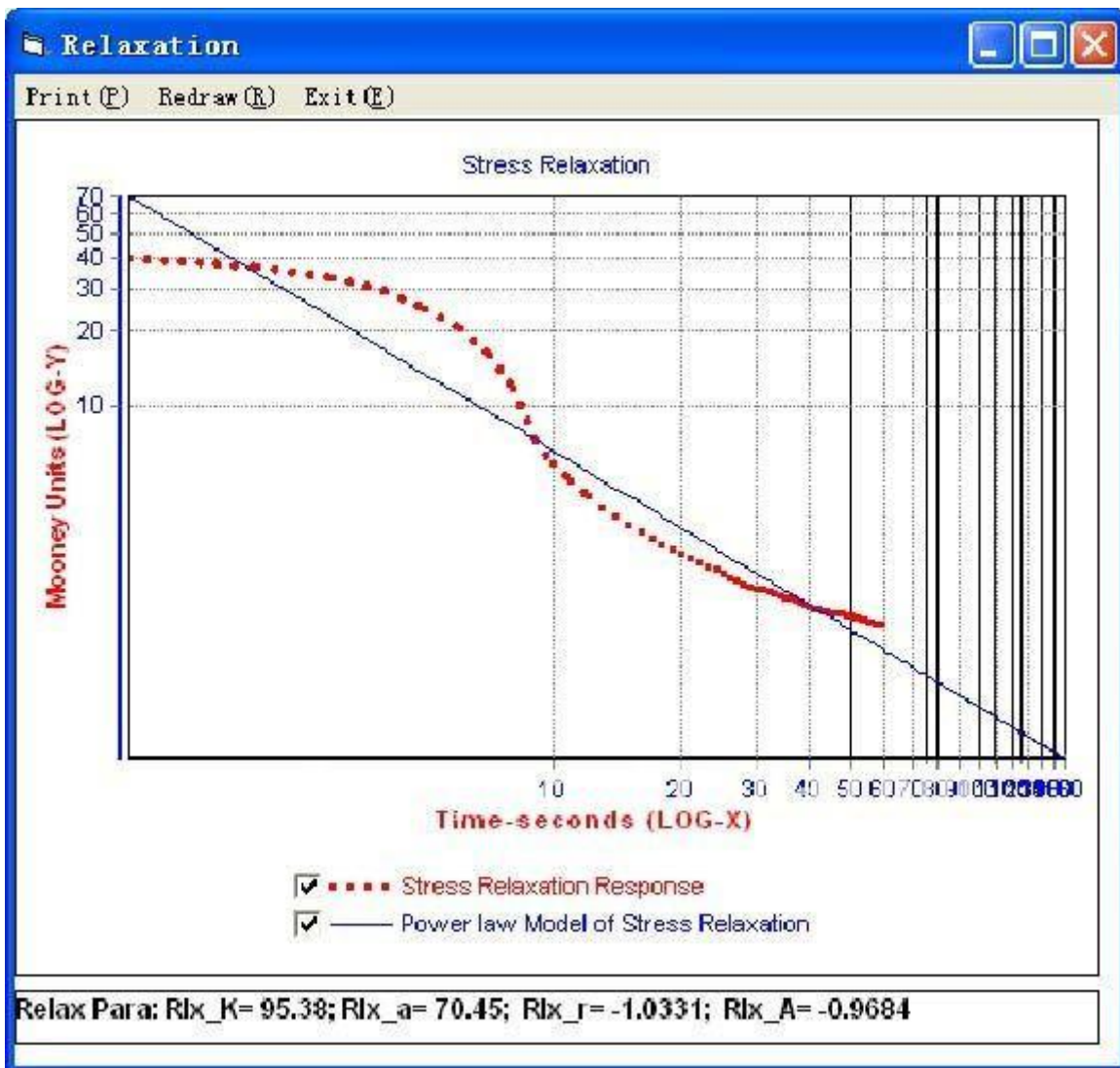
The value of exponent a, the constant k, the correlation coefficient r, and the area A .

Graph (with Viscosity-Time curve and Test temperature curve)

Mooney viscosity graph; Relaxation graph; log Mooney units Versus Log time graph.







Scorch Data testing sample results:

- Scorch time curve
- Temperature curve
- Curve index (Input small or Large Rotor test

MI - initial Mooney viscosity

ML - Minimum Mooney viscosit

MF - Maximum Mooney viscosity in the end of the test

Mx-t - Mooney value relating to time t.

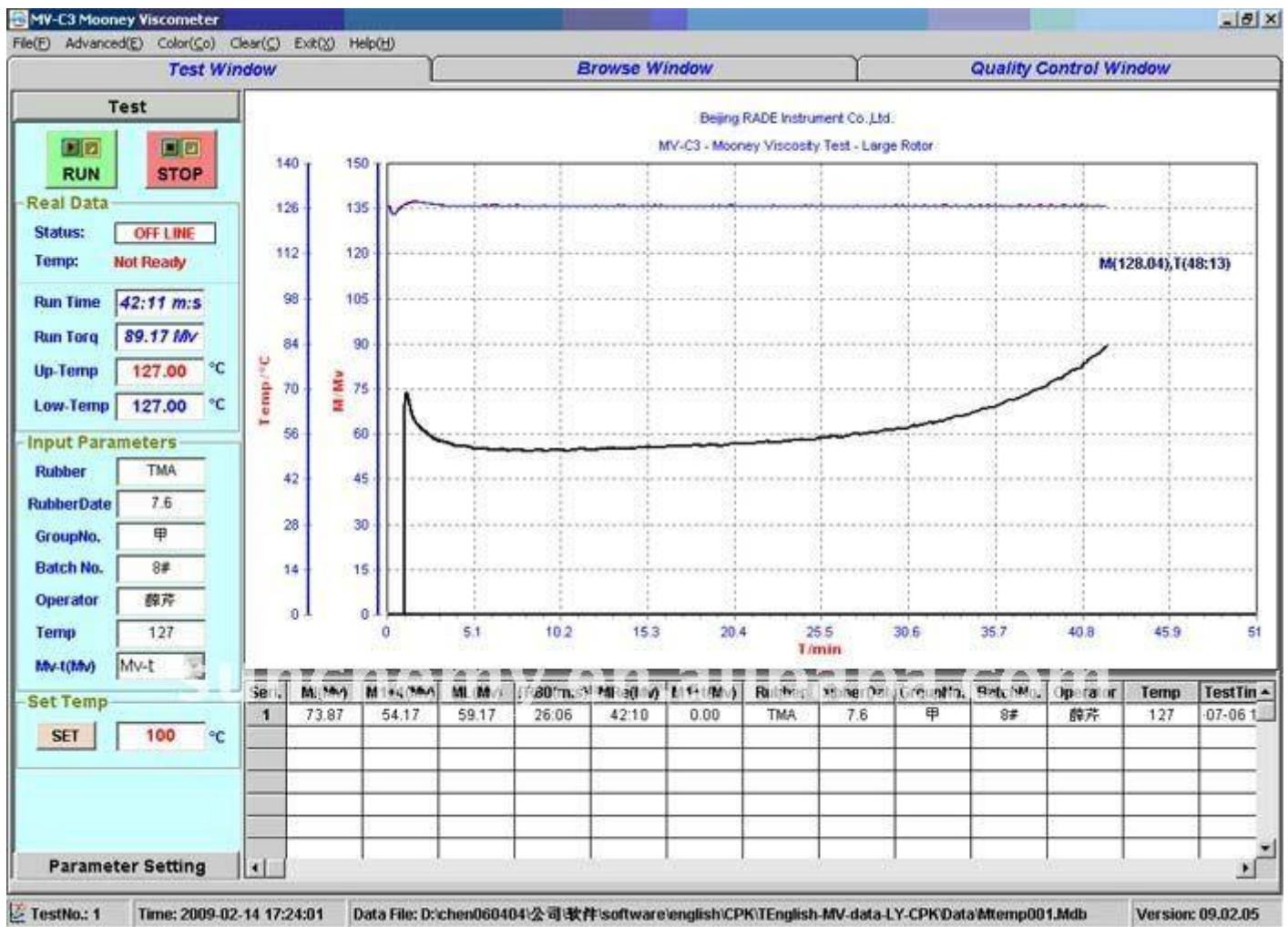
x-the time of preheat, t-Mooney test time

M5/M3 - ML+5/3 Mooney

M35/M18 - ML+35/18 Mooney

t5/t3 - Mooney burning time, M5/M3 corresponding time, Unit: min.

t35/t18 - Mooney vulcanizing time, ML+35/18 corresponding time, unit: min.



Standard Configure of MV-C3 Mooney Viscometer

- 1 Machine Complete 1 Unit
- 2 O-ring 50 piece
- 3 Software operate 1 Unit
- 4 Large Rotor 1 Unit

- 5 Small Rotor 1 Unit
- 6 Warranty 1 Year(in China or free parts providing for out of Country)
- 7 Manual operator 1 Unit



After-sales Service



- 1) 12 months product warranty. Free components will be provided if any performance failure occurs within 12 months caused by non-human damage.
- 2) If you face any problems in future during testing process, We will serve as a technical adviser for lifetime, give you a reply within 48 hours and the solution provided within 3 working days.
- 3) We will provide some guidance for the normal use of the machine, and in the case of the machine is not used for a long time, protection guidance provided, then keep the good performance of the machine.
- 4) We can offer operation video and operation manual, also can provide video-conference.
- 5) If necessary, on-site service will be provided, but the transport and travel expense shall be borne by customer.



1.Design



2.Production
Material



3.Accessories
Processing



4.Product Assembly



5.Product Debugging



6.Packaging &
Shipping

OUR CUSTOMERS

