

275 | Mooney Viscometer Model AM-4



■APPLICATION

The **Mooney Viscometer model AM-4** conducts mooney viscosity test and mooney scorch test of un-vulcanized rubber according to ISO 289 (JIS K6300-1).

■FEATURES

Accuracy and calibration control

- High temperature accuracy, $\pm 0.3^{\circ}\text{C}$ compensation with various error correction functions.
- Easy correction of temperature sensor error and temperature amplifier error, etc. by touch panel.
- Mooney value can be automatically calibrated by internal weight.

Improved functions and operation

- Testing conditions and good/bad judgment standards can be registered.
- Full automatic operation except for reading out registered items and loading/unloading sample.
- Test results, data curves, good/bad judgment and average value, etc. can be arbitrarily selected and printed out by compact printer (option).
- Results of past test can be accessed.
- Heater timer function to save end and start times.
- Fast maintenance by main unit check function.

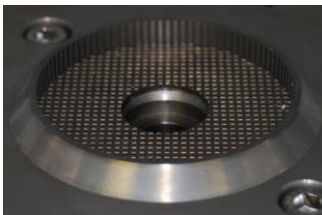
■ SPECIFICATIONS

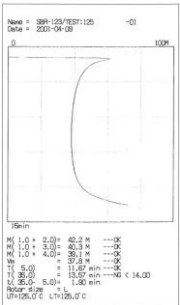
Model	AM-4
Die type	● Radial V-groove die (Standard) ● Square groove die (Option)
Rotor type	1 piece of L type rotor is provided as standard <u>(Note: S type rotor is optional)</u> Left: L type rotor (Standard) Right: S type rotor (Option)
Compression method	Pneumatic
Heating method	Electrical
Temperature control range	RT+20°C to 200°C (accuracy $\pm 0.3^{\circ}\text{C}$)
Rotor rotation speed	$2 \pm 0.02 \text{ rpm}$
Torque detector	Load cell
Mooney viscosity	200M max.
Mooney viscosity detection time	0 to 480 minutes (5 points)
Scorch point setting range	0 to 99.9M (5 points)
Preheat time	0 to 99 minutes 59 seconds
Post-heating time	0 to 99 minutes 59 seconds
Torque calibration	Automatic dead weight calibration
Interface	RS-232C
Operation panel	5.7" LCD touchscreen
Languages	English, Japanese
Power requirement	Single-phase, AC200-230V, 50/60Hz, 2.4kVA
Compressed air requirement	0.4 to 0.6MPa
Dimensions	W430 x D600 x H1120mm
Net weight (approx.)	160kg
Related standards	ISO 289 JIS K 6300-1 ASTM D1646

■ STANDARD ACCESSORIES & OPTIONS

● Standard ○ Option

Description	Model	P/N	AM-4
Radial V-groove die	-----	-----	●
Square groove die	-----	-----	○
L (Large) type rotor	-----	2110059	●
S (Small) type rotor	-----	2110058	○
Preheat chamber for spare rotor	M-RPH	-----	○
PC and testing software ● Personal computer ● LCD monitor ● Ink-jet printer ● Testing software	CON-L	-----	○
Small printer ● Print system: Thermal dot matrix ● Recording paper width: 80mm ● Print item: 1) Date 2) Sample name 3) Die temperature at test end 4) Minimum torque (Vm) 5) ML torque (5 points) 6) tsx scorch time (2 points) 7) Judgment (OK, NG)	M-P1	-----	○
Stress relaxation measurement	M-SR2	-----	○
Table for main unit (Large) Dimensions: W1200 x D750 x H740mm Load capacity: 300kg	DAI-L	-----	○
Table for main unit (Small) Dimensions: W900 x D750 x H740mm Load capacity: 300kg	DAI-S	-----	○
Air filter set	AC-4	-----	○

			
V-groove die	Square groove die	L type rotor (Left) & S type rotor (Right)	Preheat chamber for spare rotor

	 		
PC and testing software	Small printer	Table for main unit (Large)	Table for main unit (Small)

Specifications are subject to change without notice.

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