

MDR 2000P™

The world standard for a rotorless curemeter to test rubber compounds with blowing agents

Features

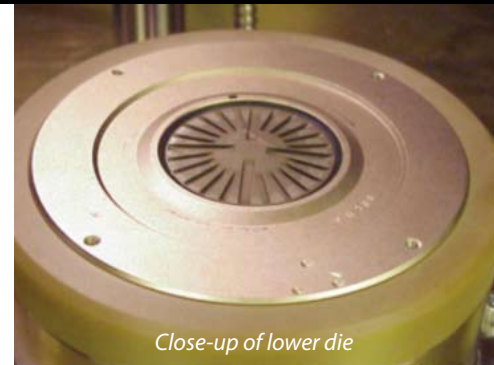
- Measures rubber cure and pressure increase produced by blowing agents in rubber compounds.
- Sealed biconical dies.
- Low friction reaction torque measurement.
- Superb temperature stability and control.
- Repeatable and reproducible data.
- Meets ASTM D5289 and ISO 6502.
- Measures dynamic properties.

Specifications

OSCILLATION FREQUENCY:	100 cpm (1.67 Hz)
TEMPERATURE RANGE:	RT to 200°C
PRESSURE RANGE:	0 to 8000 kPa (1160 psi)
DATA POINTS WITH OPTIONAL SOFTWARE:	ASTM cure data points, minimum pressure, maximum pressure, rate of pressure change and more
INSTRUMENT LANGUAGES:	English, French, German, Spanish, Dutch, Swedish, and Italian
ELECTRICAL:	<ul style="list-style-type: none">• 100/110/120/130 VAC ±10%, 60 ±3 Hz, 10-amp single phase• 200/220/240/260 VAC ±10%, 50 ±3 Hz, 5-amp single phase
AIR PRESSURE:	60 psi (4.2 kg/cm ² 414 kPa) minimum
DIMENSIONS:	Width 68 cm (27 in), height 132 cm (52 in), depth 76 cm (30 in)
WEIGHT:	Net 177 kg (389 lb), gross 280 kg (616 lb)



MDR 2000 with optional computer



Close-up of lower die

www.alpha-technologies.com

MDR 2000P™

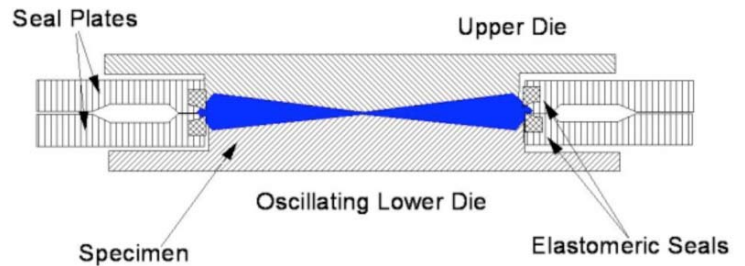
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Performance

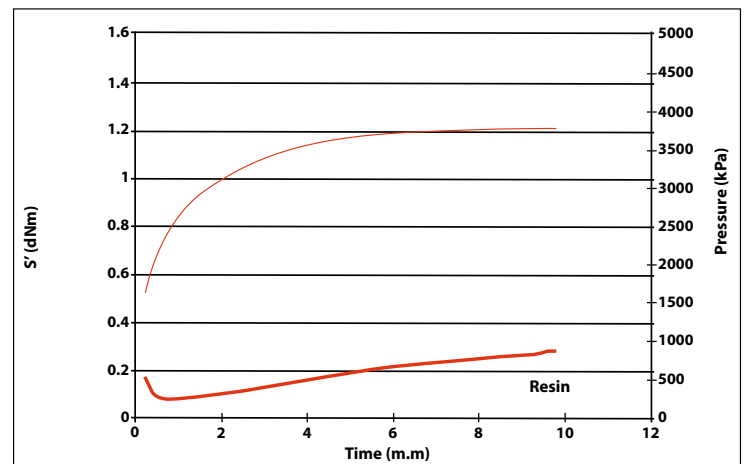
- Measure cure and/or blow under nearly true isothermal conditions.
- Excellent test sensitivity to mixing errors.
- Limited operator influence.
- Suitable for quality control or research and development.

Options

- Strain angles: 0.2, 0.5, 1.0 and 3.0 degrees (2.8%, 7%, 14% and 42%).
- Enterprise or Eclipse software systems for handling historical cure and pressure data.
- Sample cutter Model 2000R for rubber.
- Films to handle easy or difficult samples.



Die configuration of MDR 2000P



Simultaneous display of rubber sponge cure and blow