

RHEOCHECK PROFILE OD - PC

OSCILLATING DISK RHEOMETERS CONTROLLED BY
PERSONAL COMPUTER.

STANDARDS: ASTM D2084; ISO 6502-1; ISO 6502-2;



gibitre
INSTRUMENTS

Gibitre OD Rheometer measures the cure characteristics of a rubber compound in conformity with the international standards. The measure of the vulcanization is carried out by measuring the modification in the mechanical characteristics of the sample. The instrument permits to apply a cyclic strain to a test piece and to measure the associated force. The test is performed at a defined temperature and the measure of stiffness recorded continuously as a function of time.

Key Features

- Test chamber in compliance with international standards
- Independent PID temperature controllers with 0.1°C resolution
- Easily accessible test chamber with transparent safety panel and safety lock
- Pneumatic Rotor ejection and clamping systems
- Easy-to-change rotor oscillation amplitude
- Full license of Rheocheck_10 software opti-

mized for Bar-code sample identification

- Full license of Datagest_10 software for complete management of Gibitre SQL Database

Accessories

- Volumetric die cutter.
- Dies for OD rheometer with two Ø 8mm moulds.
- Pressure sensor integrated in the upper die with 0.1 bar resolution.

Numerical Test Data (for each test procedure up to 20 test results can be selected): Torque Values: MI, ML, M90, MX, MH, PCR, S^o@ML, TanDe ML, S^o@MH, TanDe@MH (X=customer-defined); Scorch Time: tS1, tS2, tSX ; Cure Time: t90, tX, tML, tMH, tPCR, tRX; Pressure (optional) PL, PH, tP, MPR, tMPR

Graphic representation: Elastic curve (S'), Viscose curve (S''), Complex

curve (S'')Tan-Delta curve, Curing speed, Upper and Lower test chamber temperatures

Oscillation frequency: 100 cycles /minute (1,7 ±0,1 Hz)

Oscillation Angle: 1°, 3°

Temperature: 50 ÷ 230 °C - Resolution 0.1 °C

