



Elatest®

Density determination of rubber and rubber compounds



... where quality is measured.

Reproducibility measured values, easy handling, reliability



The **Elatest®** determines the density of polymers, in particular of rubber and non-vulcanized rubber compounds - a dimension which is of decisive importance for rubber processing, both during recipe development and for continuous production control.

Elatest®

Principle

The determination of density is defined by an electronic scale and an electronic position sensor.

Each measurement starts with measuring the sample weight. Following that, the sample is put into the measuring cylinder and compressed by the piston. Thereby the piston reaches a sample-specific position, i.e. the sample is compressed to its specific volume.

For the determination of the sample volume, the difference between the piston lift with empty cylinder and with filled cylinder.

The sample density is automatically determined and specified by the sample weight and the determined sample volume.

Procedure

From the sample weight and volume, the integrated computer automatically calculates the density. Use the software easily with the touch screen. Excellent reproducibility of the measured values, the easy handling, and the reliability make the **Elatest®** best suited for production control as well as for research and development.



Elatest® with touch screen

Brabender® support

A modern applications laboratory is available for all customers and interested parties for trials with their own materials. All **C.W. Brabender®** measuring systems can be tested

under ideal conditions. An experienced expert team will assist all tests.

Together we will find the optimal solution to meet your testing needs.

Elatest®	
Dimensions (H x W x D)	<ul style="list-style-type: none"> • 900 x 550 x 650 mm (without monitor) • 1450 x 550 x 650 mm (incl. monitor)
Mains connection	1 x 200 ... 240 V, 50/60 Hz, +N +PE or 1 x 115 ... 127 V, 50/60 Hz, +PE
Density range	0.8 ... 2.6 g/cm ³
Accuracy	0.1 % (0.001 g/cm ³)
Measuring cylinder	
Diameter	59 mm
Max. path	80 mm
Sample volume	40 ... 120 cm ³
Connections	<ul style="list-style-type: none"> • RJ 45 network (Ethernet) • Compressed air, 5 ... 6 bar, quick-coupling • USB port for printer and service



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