

Elastocon

Cell Oven EB-07

For precision ageing of rubber and plastic materials

New generation of ageing Ovens

Elastocon introduces a new generation of ageing ovens for the precision ageing of polymeric materials. Benefiting from our 22 years of production and development the new ovens represent a major step forward in the design of such instruments.

Cell Oven EB 07

The EB-07 is a cell oven with three cells which can be used with individual temperatures. The test piece holder in each cell can take up to 24 standard test pieces.

The high temperature accuracy is achieved by using three separate extruded aluminium blocks with channels for preheating of the air. The EB 07 gives the laboratory extra flexibility when carrying out sample ageing at several different temperatures.



Technical specifications

Temperature range	: 40 – 200 °C	Inner dimensions, dia. x h	: 100 x 300 mm
Temp. control	: ± 0,5 °C	Extern.dimensions, w x h x d	: 575 x 465 x 400 mm
Temp. variation in time and space	: ± 0,25 °C	No. of temperatures	: 3
Temperature sensors	: PT 100, 1/3 DIN	Air changes, changes/hour	: 3 – 20
No. of cells	: 3	Weight	: 42 Kg
Air speed	: <0,001 m/s	Voltage, Volt/phase/freq.	: 220-240 / 1 / 50
Useful volume	: 3x2,4 L	Power	: 700W
		Standards	: ISO 188-A, IEC 811

Common specifications

- The ovens perform well inside the apparatus requirements in ISO 188, IEC 811 and other equivalent standards.
- The ovens perform well inside the apparatus requirements in ASTM D865.
- Special design with controlled air exchange rate and low air speed.
- The casing consists of steel, painted with powder paint in bluegreen colour.
- The inner chamber is made of aluminium.
- Solid state relay for safe control.
- Temperature indicator with sensor in the cell.
- Adjustable over and under temperature limits with alarm.
- Fixed over temperature fuse.
- Flow meters with needle valves, for setting the air exchange rate.
- The air speed is low and is dependent on the air exchange rate only, as specified in ISO 188 method A and IEC 811.
- Alarm for low air pressure.
- Built in air pump.
- Cooling channels in the casing for low surface temperature.
- Temperature controlled cooling fan for the electronics cabinet.
- Indication of power failure.
- Run-time meter.