

# *Elastocon*<sup>®</sup>

## SAFT (Shear Adhesion Failure Tester), ES 07-II



### **The SAFT instrument is used to test Heat-Fail Temperature in Shear of Hot Melt Adhesives.**

Weights are attached to the shear samples and the temperature is increased with a controlled rate until the samples fail. The ES 07-II can test 6 samples simultaneously and a PLC reports the time and temperature to failure for each test station.

The new model has an improved sensor system for detecting the sample failure which works with small loads down to 100 g. Six sets of weights, with 100 g, 500 g and 1 kg are included.

Tests can be performed according to ASTM D4498 in the ES 07-II.

---

## Technical specifications, ES 07-II

---

Temperature range, °C:	+30 to +200
Temp. control, +30 to +200 °C, %:	± 1
Temperature sensors:	Pt 100
Temperature ramp tolerance, °C:	0,5
Dimensions, inner, w × h × d, mm:	350 × 400 × 300
Dimensions, external, w × h × d, mm:	810 × 720 × 620
Sample positions:	6
Shelf positions:	1
Shelves:	1
Weight, kg:	80
Voltage, V / phase / freq:	220 to 240 / 1 / 50–60
Power, W:	1 500
Standards:	ASTM D4498

### Common specifications:

- The oven perform well inside the apparatus requirements in ASTM D4498 and other equivalent standards.
- The casing consists of steel, painted with powder paint in bluegreen colour.
- The inner chamber is made of stainless steel.
- Temperature controller with 0,1°C setpoint.
- Solid state relay for safe control.
- Fixed over temperature fuse.
- Cooling channels in the casing for low surface temperature.
- Controlled cooling fan for the electronics cabinet.

*ELASTOCON reserve the right to modify these specifications in part or in whole.*

### Important recommendations for all instruments!

For the best performance of the instrument, we recommend the following working environment:

- Standard laboratory temperature of either 23 °C ± 2° or 27 °C ± 2°.
- Humidity not more than 90 % RH – non condensing.
- For long term logging instruments secure the power to the computer with a double converting UPS, for reducing electrical disturbances and power failure (ask Elastocon for recommendations or quotation).
- Other environmental aspects: Pollution degree 2 – Laboratory environment

---

# Elastocon®

---

### Elastocon AB

Tvinnargatan 25 • SE-507 30 Brämhult • Sweden  
Phone: +46 33 323 39 00 • E-mail: [info@elastocon.se](mailto:info@elastocon.se)  
[www.elastocon.com](http://www.elastocon.com)