



ETP001

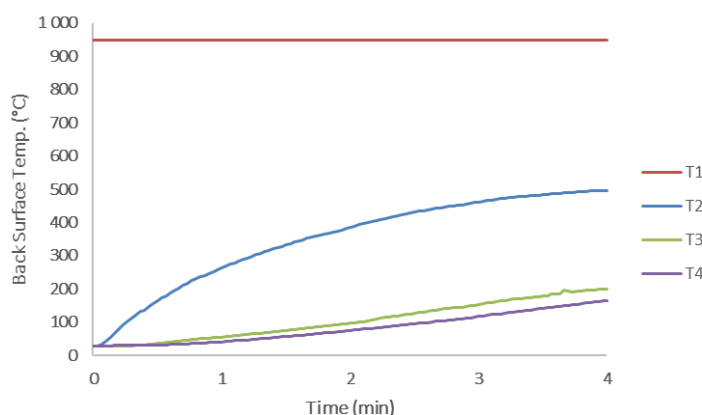
Material Description & Properties

Cork granule size (mm)	1 - 2
Thickness available (mm)	> 0,8
Color	Light green
Standard Format	Sheets or pads

Technical information

Density (kg/m ³)	430 - 550 (ASTM F1315)
Thermal Conductivity (W/mK)	0,07 (EN 12667)
$\Delta T/\Delta t$ (°C/min)	43,3 (internal procedure)

Insulation Test

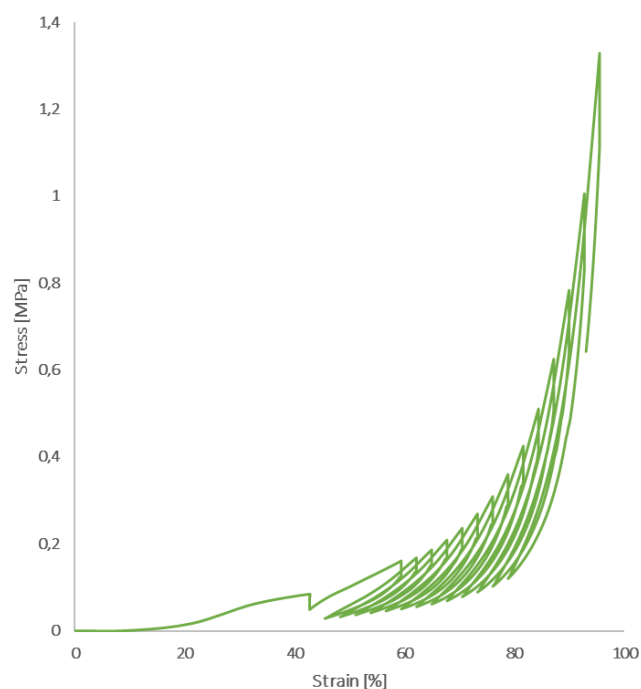


*Insulation trials performed at 3,0 mm thickness.



ETP001 is a cork-rubber compound that combines excellent compressibility and resilience with high thermal insulation, designed to accommodate the cells' swelling during thermal cycles in Ev-Batteries.

Compressibility Behaviour - Cycles



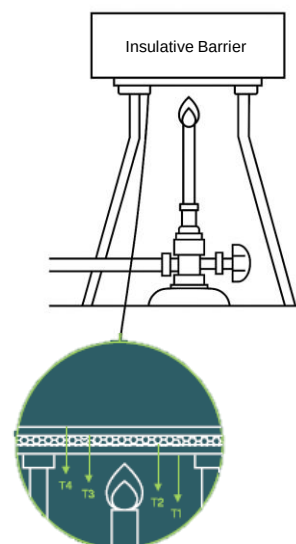
*Cycle Test performed at 3,0 mm thickness.

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Insulation test (internal procedure)

- Flame temperature $\approx 1000^{\circ}\text{C}$
- Distance flame/steel plate: 55 mm
- Steel plates thickness: 2 mm
- Cork sample size: 100 x 100 mm
- Temperature's description:
 - T1 - flame temperature on the steel plate
 - T2 - lower steel plate/ cork interface
 - T3 - cork/upper steel plate
 - T4 - outer upper steel plate
- Upper insulative cork block (50 mm) to ensure full cork steel contact and to decrease heat losses.



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