



ETP021

Preliminary Technical Datasheet

Material Description & Properties

Cork granule size (mm)	2 - 4
Thickness available (mm)	> 2,0 ⁽¹⁾
Color	Light Brown
Standard Format	Sheets or rolls

⁽¹⁾ Recommended value.

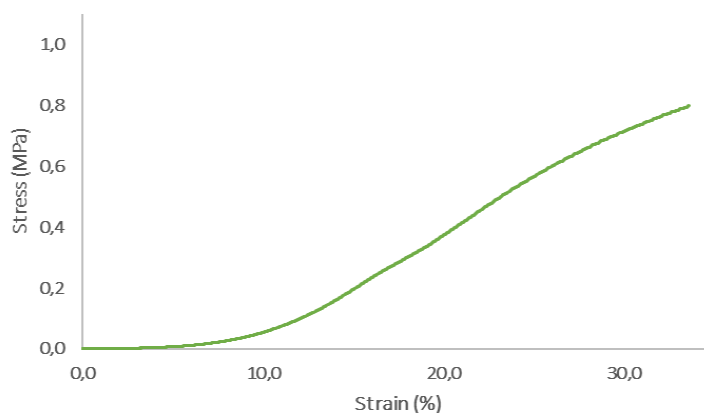
Technical information

Density (kg/m ³)	107 - 205 (ASTM F1315)
Compressibility at 0,8 MPa (%)	33,7 (internal procedure)
Thermal conductivity (W/mK)	0,051 (ISO 8301)
Dielectric strength (kV/mm)	5,1 ± 1,1 (ASTM D149)
ΔT (°C/min)	40,3 ± 0,7 (internal procedure)



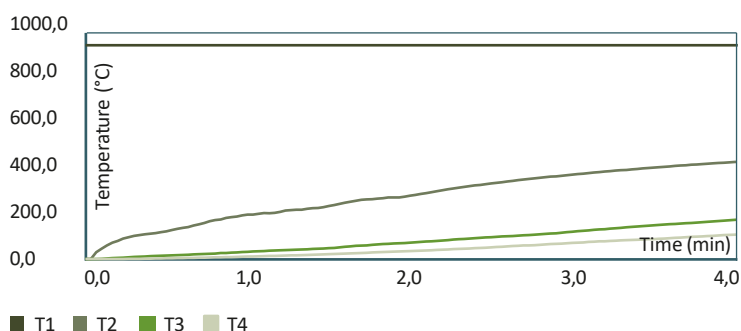
ETP021 is a polyurethane cork agglomerated material with low density and high compressibility, together with high thermal insulation.

Compressibility Behaviour



Compression trials performed at 0,06 mm/min and 2,0 mm thickness.

Insulation Test



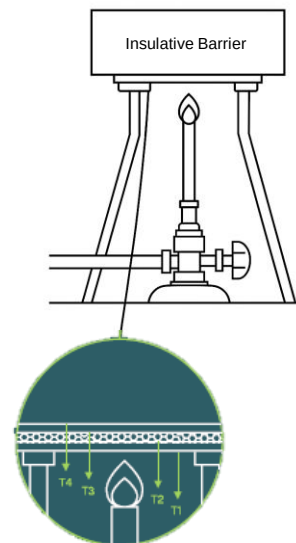
Insulation trials performed at 2,0 mm thickness.

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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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