

 PRODUCTS FOR BATTERY

Nanocomposite Insulation Material



SUPHIP Thermal Diffusion Barrier Material

A solid nanoporous material with three dimensional network structure, which is composed of nanoparticles or polymer molecules. It has lowest density and thermal conductivity in the world.

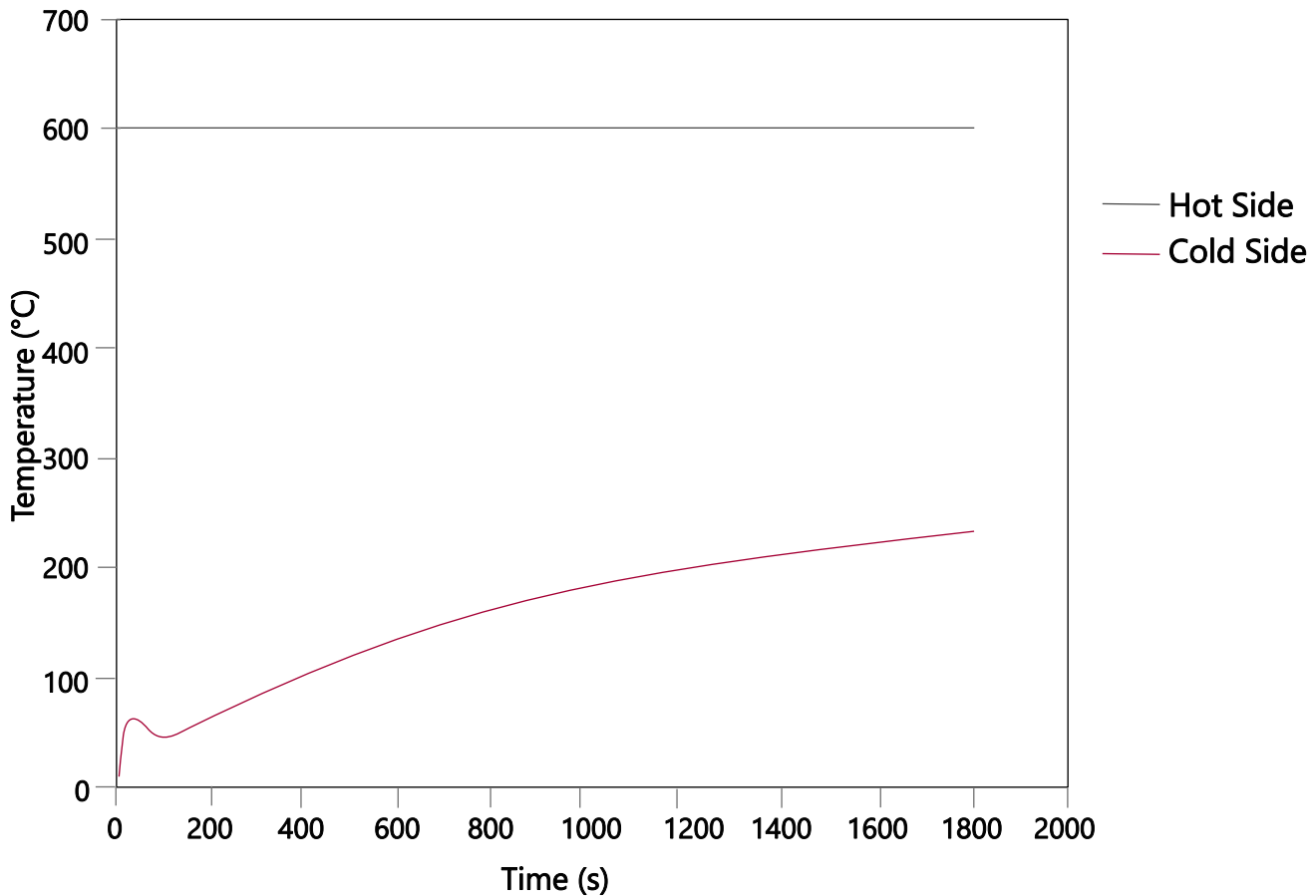
Application

- » Used between battery cells

Features

- » Low thermal conductivity, especially at high temperature
- » Excellent fire performance: 1.000 °C flame burning time > 10 min
- » Comply with RoHS, REACH, ELV directives
- » Feasible for mass production & cost-saving

Thermal Insulation Performance



Time (min)	5	10	15	20	25	30
Temp. Cold Side (°C)	84.9	137.5	174.4	199.7	219.0	233.0

(*Remarks : The latest version will be updated accordingly.)

