FUJIKURA COMPOSITES

～ Rubber for improving the safety of the battery ～

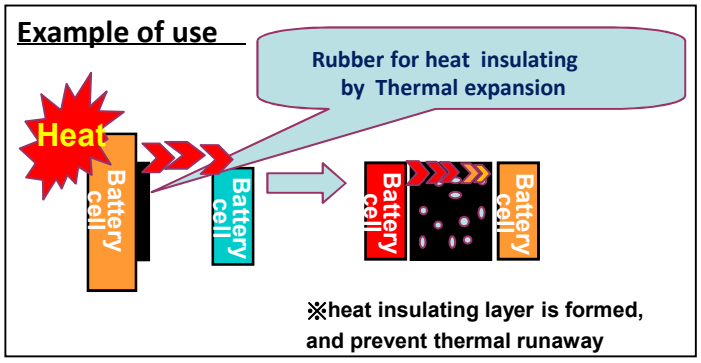
Rubber for heat insulating by Thermal expansion

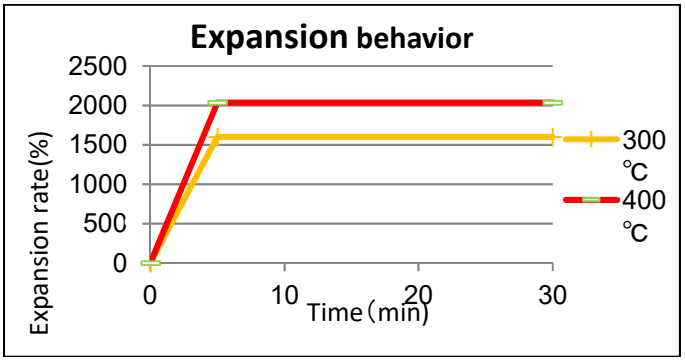
Features

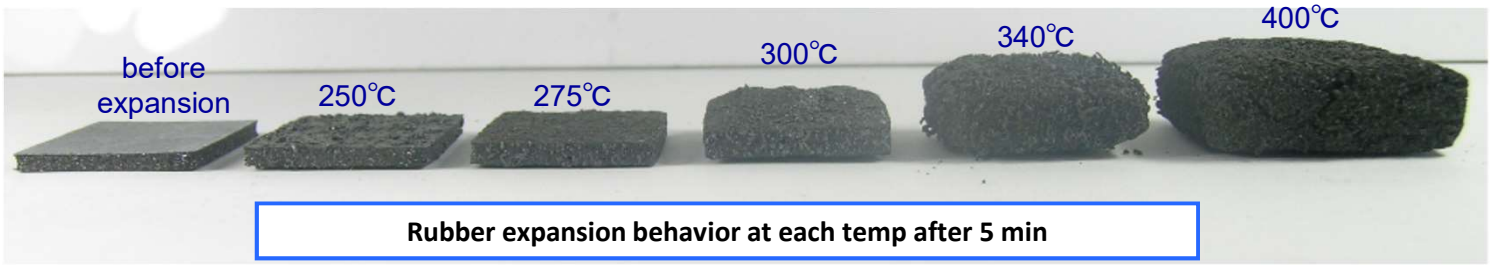
-High thermal conductivity during normal time for maintaining battery performance.

-Rubber starts to expand at high temp for heat insulation layer.

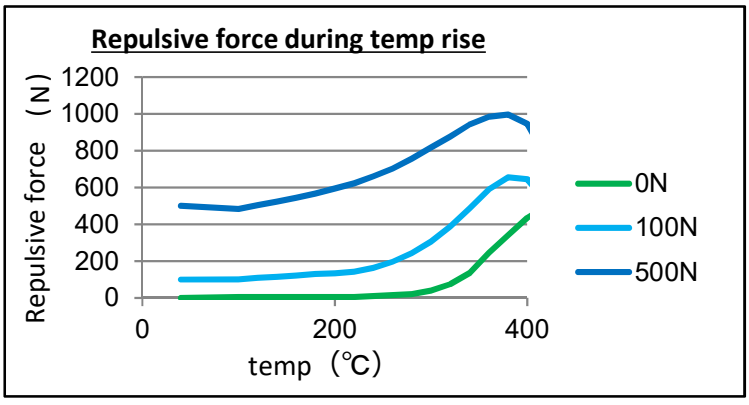
-Minimizing damage by thermal runaway with installing it between battery cells.

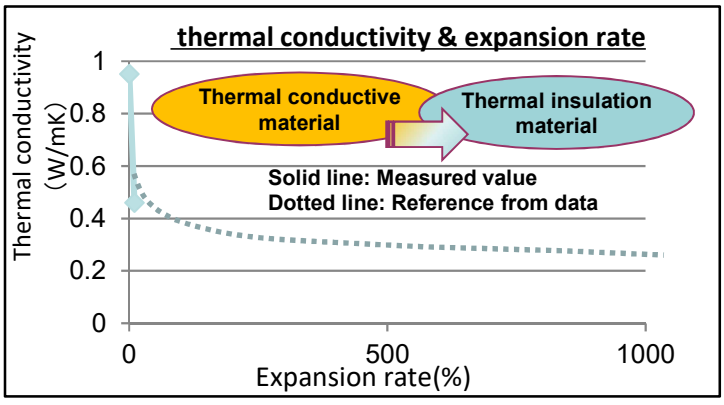






Rubber expansion behavior at each temp after 5 min





Features & expansion example

- Expands at high temp to form heat insulation layer.
- Excellent flame retardant property
- Maintaining expanded-shape even after expansion.
- Adjustable expansion trigger temp.
  《Adjustable range: About 230～300℃》
- Adjustable expansion rate.
  《 range : 700～3000%（at 400℃）approx》
- Cushion for cell expansion with repulsive force of the rubber

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