Nomex® CellShield™
Cell Solutions
High temperature cell to cell thermal insulation for anti-propagation

Benefits
Mitigate thermal propagation from trigger cell to neighbor cell when thermal runaway occurs
Mitigate thermal/flame propagation from module to module
Good thermal insulation, even at high temperatures
Direct flame resistance
Conforms with UL94 V-0
Electrically insulating with high breakdown voltage
Standard thicknesses (1.1, 2.1 and 3.1mm)*

*Other thicknesses available upon requests

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Cell Solutions

Material propagation test
Cell: NCM523 Prismatic
Energy density: >200wh/kg
51 Ah Capacity
4 Cells in module
Trigger method: heating
>95% SOC

Material validation test
Nomex® CellShield™

600°C hot plate test
Hot side
Back side

Competitive aerogel laminate solution

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