

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

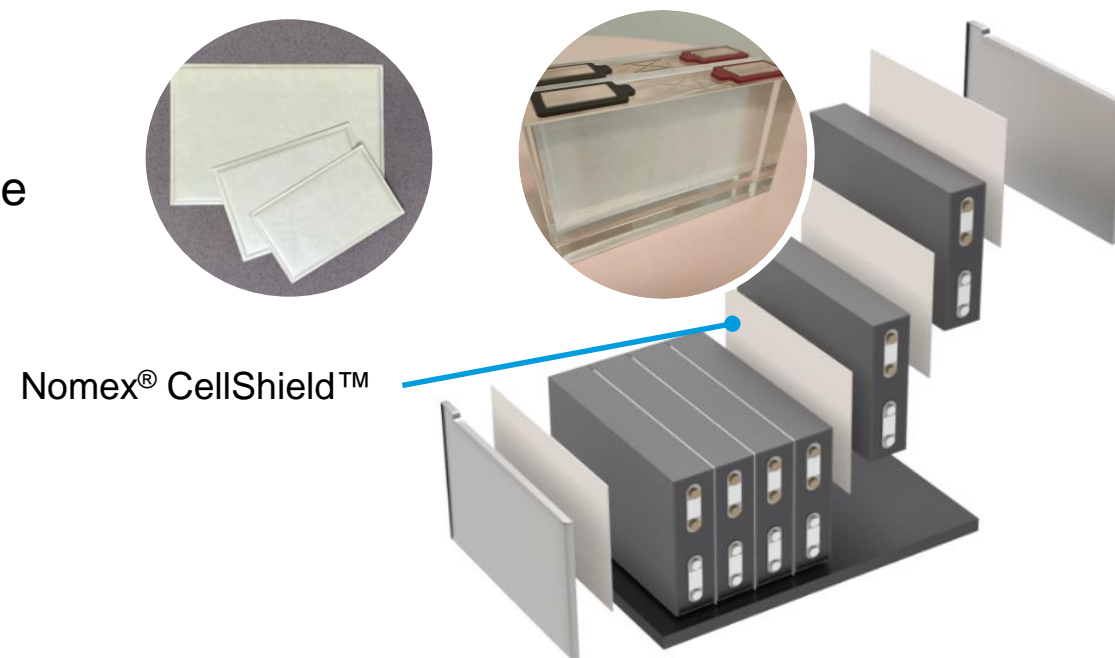
Direct flame resistance

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



Nomex[®] CellShield[™]

Cell Solutions

Material validation test



Material propagation test

Cell: NCM523 Prismatic

Energy density: >200wh/kg

51 Ah Capacity

4 Cells in module

Trigger method: heating

>95% SOC



600°C
Hotplate
(1.2kW)

600°C hot plate test

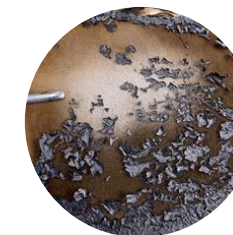
Nomex[®] CellShield[™]



Hot side



Back side



Competitive aerogel laminate solution

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