

Nomex[®] SafePak[™]

Battery Pack Solutions

High temperature flame barrier for battery pack flame protection

Benefits

High temperature flame barrier for top lid and battery pack protection

Good direct flame resistance

Good thermal insulation, even at high temperatures

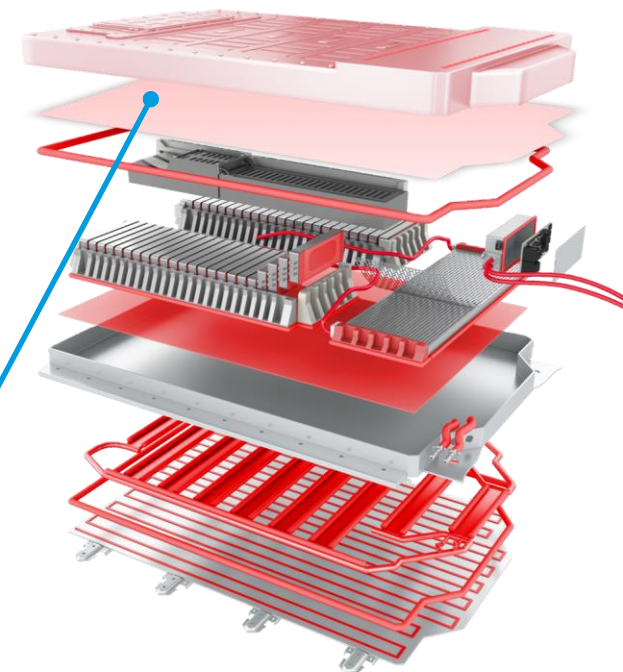
Flame Retardant UL94-V0

Electrically insulating with high breakdown voltage

Thickness can be tailored (Min 1.3mm)

Easy to install with thin and flexible form

2D and 3D forms possible



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Material validation test



No burn through in battery burn test

NCM523, 6cells. Prismatic, 153Ah/cell, >95% SOC

Triggered by 1000W rapid heating

0.6mm steel top lid



1500°C flame testing



After 30 minutes direct flame
(flame side)

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