PACT®
PACKAGING AND CRATING TECHNOLOGIES

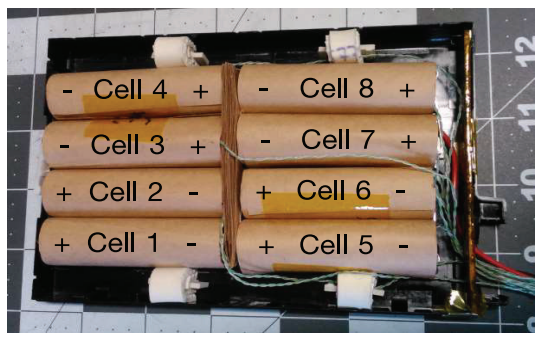
FPS
Fireproof Solutions, Inc.
Lithium Battery Fire Solution

reusable
recyclable
sustainable

TR Sleeve / Heat Barrier Wrap

THERMOSHIELD™
a PACT® product

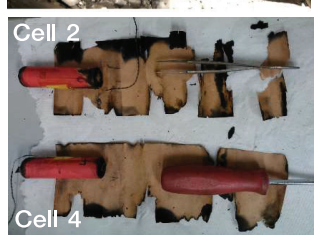
Third Party Testing Battery Pack with the ThermoShield TR Sleeve



AP-Test 06.December2021, PACT ThermoShield paper

Post-Mortem Inspection Test 06December2021

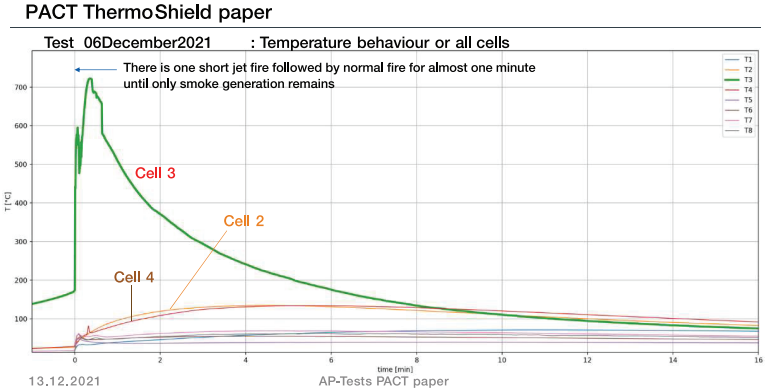
- Ignition cell 3 had a remarkable side wall rupture, maybe due to a reduced thermal conductivity of the PACT paper, i.e. a more heterogenous heat-up of the ignition cell ? If so, then in a thermal runaway scenario caused by a cell-internal failure this is maybe not a too serious problem.
- Cell 4 still had the majority of the PACT paper intact, cell 2 a little less.
- Cell 2 (3.476V stable at jelly roll) and Cell 4 (3.724V stable at jelly roll) probably had partial venting, at least the CID was activated



Cell	1	2	3	4	5	6	7	8
Voltage at cell can /V	4,14	1,85	-/-	0,0	4,15	4,15	4,14	4,14

13.12.2021 AP-Tests PACT paper

AP-Test 06.December2021, PACT ThermoShield paper



13.12.2021 AP-Tests PACT paper

Not only mitigated the thermo event, nothing else in the package was affected

PactThermoShield.com | 203.759.1799 | 1100 Buckingham Street | Watertown, CT 06795

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PACT is a global provider of shipping crates and protective wraps catering to the moving and manufacturing industries.