

# Lithium Battery Transport

October 29, 2020 | Carrier Perspective and What Retailers Should Know



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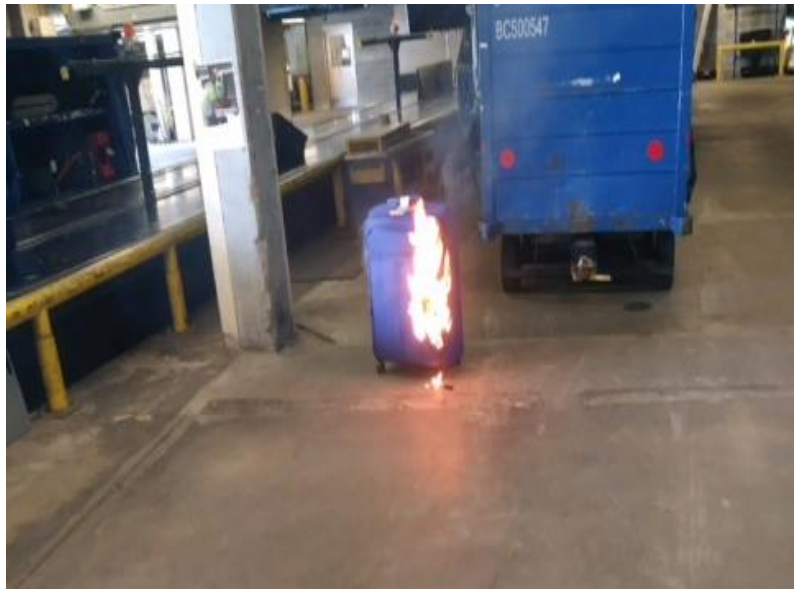
**Subject Matter Expert**

# Lithium ion Battery Thermal Runaways

2020 Fall Environmental Compliance Committee Meeting



# Lithium ion Battery Thermal Runaways





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# Lithium ion Battery Thermal Runaways



# Panel Question

Can you describe how over the past years the landscape of Li battery shipments have changed?

## UN38.3

### RESULTS

Cell/Battery Model		TASER 7						
Sample No.	Sample Condition	Weight Before Test in Grams	Weight After Test In Grams	Percentage of Weight Loss	Voltage Before Test, v	Voltage After Test, v	Percentage of Voltage Remain	Comments
1	A	118.433	118.377	0.0473		9.15	100.11	1,8
2	A	118.464	118.412	0.0439		12.22	100.99	1,8
3	A	118.663	118.610	0.0447		9.02	100.78	1,8
4	A	118.741	118.689	0.0438		9.32	99.89	1,8
5	B	118.202	118.151	0.0431		12.85	103.46	1,8
6	B	118.634	118.583	0.0430		12.85	103.38	1,8
7	B	118.448	118.392	0.0473		12.86	103.38	1,8
8	B	118.612	118.558	0.0455		12.87	103.46	1,8

Comments
(1) Sample remained intact.
Positive devices [was] [was not] maintained.
leaked electrolyte.
fire.
loss, no leakage, no venting, no disassembly, no
voltage of each cell after testing was greater than





# Panel Question

What is your biggest challenge with shipment of Li batteries?

## UN38.3

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# Panel Question

What practices do you envision implementing to help mitigate risk?

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# Panel Question

Any thoughts or best practices you want to share with the retailers when it comes to shipping Li batteries?

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# Resources

- UPS Hazardous Material Transportation Hotline 1-800-554-9964
- FedEx Hazardous Material Transportation Hotline 1-800-463-3339
- [Operation Safe2Fly](#)



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Thank you.

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