

SAE G27 Packaging Tests

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Shipment of lithium batteries has become of greater concern in recent years as consumer demand continues to increase. As a result, SAE was commissioned by ICAO to develop a packaging standard to ensure safe battery shipment. The tech. center, as part of the writing team, performed multiple experiments to better understand and help optimize a test setup to ensure a repeatable and representative test method. Various configurations are investigated including heater position, battery packs, the need for a mixing fan, and external fire oven tests.