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1 these requirements cover tests for thermal and mechanical performance of battery enclosure materials in response to one or more stresses representative of thermal runaway of lithium- ion cells. the offering based on ul 2596, test method for thermal and mechanical performance of battery enclosure materials, was published on jan. test method for thermal and mechanical performance of battery enclosure materials. standard pdf | edition 1 | septem | last revised: septem. released a “ test method for thermal and mechanical performance of battery enclosure materials” ul 2596 in which three test specimens of a reess housing material are each exposed to the thermal runaway of 25 lithium- ion 18, 650 cells. ul 2596 does not describe how to interpret the obtained test. common global standards for thermal runaway mitigation in the automotive industry focus on cell, module, pack, and vehicle levels. applied safety science company ul solutions has announced a new test for evaluating the thermal runaway risk of materials in ev battery enclosures. product details edition: 1 published:.
the battery enclosure thermal runaway (betr) evaluation is based on ul 2596, test method for thermal and mechanical performance of battery enclosure materials, published on pdf janu, by the ul standards and engagement organization. of this certificate. containment for 1 hour. evaluate the performance of different battery enclosure materials in response to a thermal runaway event, outlined under ul 2596, test method for thermal and mechanical performance of battery enclosure materials. household and similar electrical appliances - safety - part 2- 40: particular requirements for electrical heat pumps, air-conditioners and dehumidifiers. this cb test certificate is issued by the national certification body. ul solutions test apparatus the test apparatus consists of a premixed flame torch and grit- blast assembly that ejects grit particles with compressed air along the axial center of the torch (figure 1). the tag test method is estimated to be published as an addition to ul 2596 in. purchase options digital view. about ul solutions a global leader in applied safety science, ul solutions transforms safety, ul 2596 pdf security and sustainability challenges into opportunities for customers in more than 100 countries. under ul’ s stringent battery enclosure thermal runaway test (ul 2596), a plate made of flame retardant stamax™ long glass fiber polypropylene resin is able t.
05 eur vat excluded. 80 eur vat included. ultest method for thermal and mechanical performance of battery enclosure materials. as shown in the test report ref. ul 2596 – test method for thermal and mechanical performance of battery enclosure materials. “ with this offering, ul solutions addresses industry concerns by providing automotive oems and suppliers, and automotive component and system manufacturers, testing and advisory solutions to meet multiple standards and regulations, ” says the. ul standard for safety test method for thermal and mechanical performance of battery enclosure materials these requirements cover tests for thermal and mechanical performance of battery enclosure materials in response to one or more stresses representative of thermal runaway of lithium- ion cells. ul (us), 333 pfingsten rd il 60062, northbrook, usa.
in early, underwriters laboratories inc. bsb - ul 3, usm 2. ul 2596 pdf standard | edition 4 | decem | last revised: decem. trust ul solutions to develop safety solutions for the next- generation ev battery platform for automakers around the world. 27,, by the ul standards and engagement organization.
a test sample is installed on a sample holder, centred with the torch, with its leading surface located 60 mm from the torch tip. e169910- a6019- cb- 1 issued on. cell, module, pack, vehicle. at ul solutions, we developed a unique set of test methods, known as battery enclosure material screening (bems), to.

to this end, hatci and forward engineering worked with ul, and the protocol was made publicly available as ul standard 2596 as of jan. battery performance has continually presented challenges in ev efficiency, as the heavier weight of evs. ul alternative document edition 2 published date: septem. to be in conformity with. ultimately, hatci and forward engineering' s goal is to make this protocol available for use by any material supplier or oem, helping to democratize ev component safety beyond only hyundai-kia vehicles.

which forms part. 27, by the ul standards and engagement organization. our battery enclosure thermal runaway (betr) evaluation uses ul pdf 2596, test method for thermal and mechanical performance of battery enclosure materials, to help material manufacturers, suppliers and automotive original equipment manufacturers (oems) select ev battery. having trouble viewing this document? publication date.

revisions and related documents. the ul 2596, test method for thermal and mechanical performance of battery enclosure materials, standard was published on jan. install the latest free adobe acrobat reader and use the download link below. original language. 2- test method for thermal and mechanical performance of battery enclosure materials.