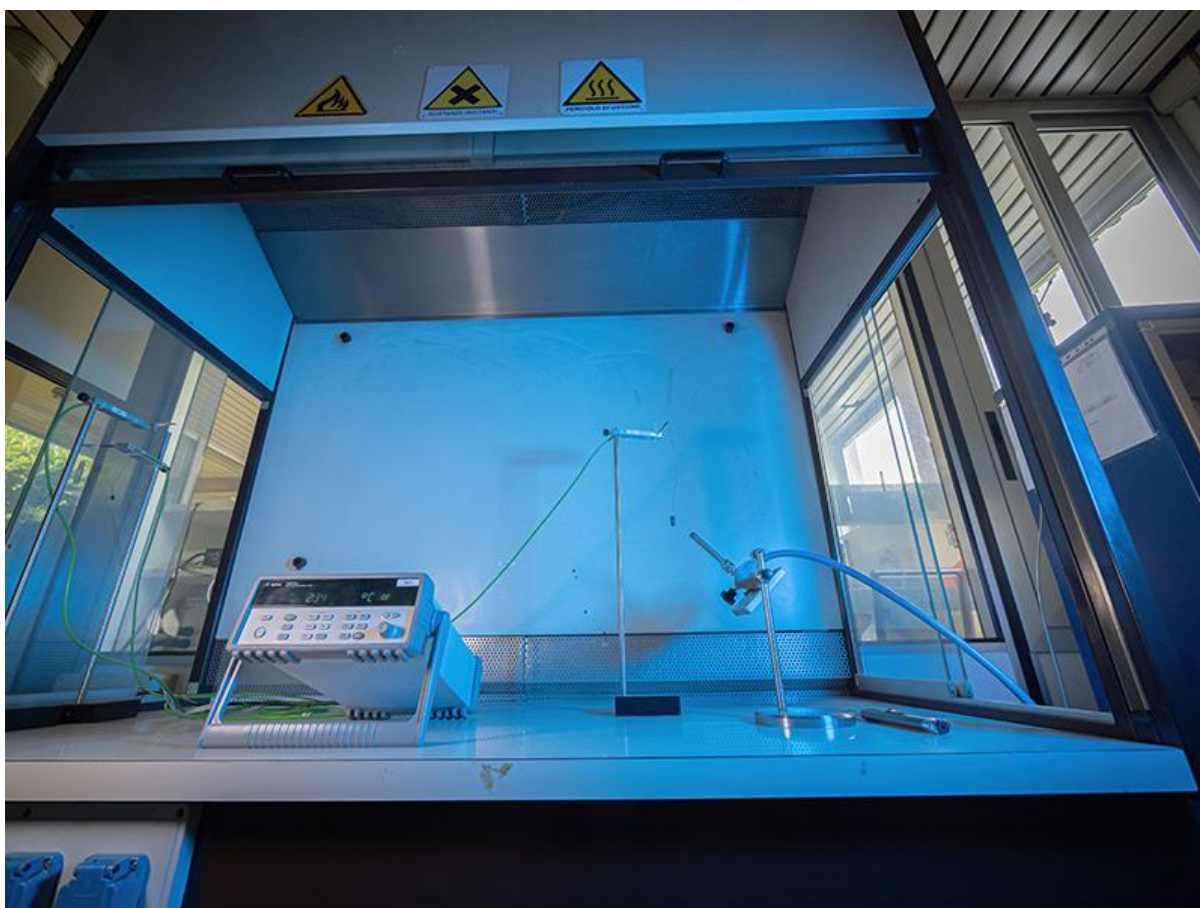


Glow-Wire Test: Heat Resistance Testing

At INTEK laboratories, the **glow-wire test** serves as an important resource for assessing the **heat resistance** of a wide range of materials, including plastics and other substances used in various industrial sectors. INTEK's focus on the **glow-wire test**, along with the involved procedures, reflects the importance placed on product safety and reliability.

- [Glow-Wire Test, the Incandescent Wire Test](#)
- [Glow-Wire Certification and Application Sectors](#)
- [Standards and Parameters of Glow-Wire Tests](#)
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Glow-Wire Test, the Incandescent Wire Test

The **glow-wire test**, also known as the **incandescent wire test**, replicates the overheating conditions that insulating materials may encounter during overload or failure situations. During the **glow-wire test**, a heated metal filament approaches the material under examination until it reaches a specific

temperature, allowing for the assessment of its heat response and the prevention of potential fire or overheating risks.

INTEK has a laboratory to perform the most important tests on plastic materials related to the verification of electrical and electronic components. Among these are the **glow-wire test**, tracking test, and vertical flammability verification.

Glow-Wire Certification and Application Sectors

Thanks to **glow-wire certification**, manufacturers can ensure the safety and reliability of their products. Widely demanded and used in numerous sectors such as the electronics, automotive, and aerospace industries, **glow-wire tests** are essential for ensuring that materials meet safety and performance requirements, thereby minimizing fire risks.

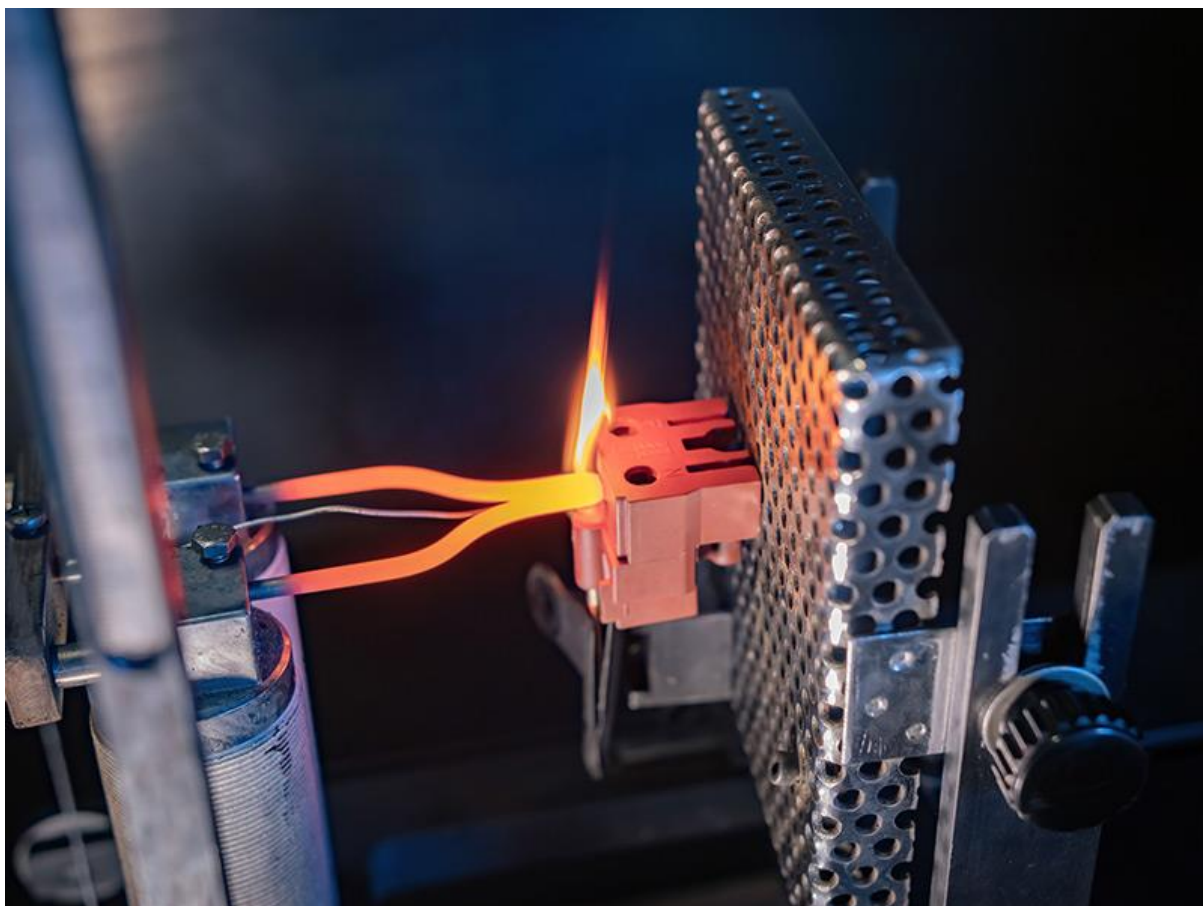


Standards and Parameters of Glow-Wire Tests

Glow-wire tests are regulated by international standards such as IEC 60695-2-10, IEC 60695-2-11, and IEC 60695-2-13, which establish test criteria, procedures, and temperatures. During **glow-wire tests**, **parameters** such as ignition temperature, combustion and extinction times, and material behavior in the presence of a flame are carefully evaluated.

Glow-Wire Test and Flammability Testing at INTEK

With over 30 years of testing experience, INTEK can support manufacturers in performing the main **flammability tests** required by standards such as **glow-wire test**, CTI PTI, vertical flame, needle flame, and ball pressure resistance. With the expertise gained and a state-of-the-art laboratory, INTEK guarantees precise and reliable results for **heat resistance tests** in various application fields.



INTEK is also specialized in performing ATEX tests for products intended for explosive risk environments.

Request information for Glow-Wire Test: Heat Resistance Testing

INTEK is an independent test and measurement laboratory, an Italian excellence in test and measurement services.
Request information online about Glow-Wire Test service: heat resistance tests:

<https://www.intek.it/en/glow-wire-tests-heat-resistance-testing/>