

Impact tests

Principle

Impact tests are short-term tests, which provide information on the failure behaviour of materials subjected to rapid loads. The specimen is held on a fixture and hit by a swinging hammer, with the recording of the energy absorbed during fracture.

Capabilities

- Charpy, instrumented and non-instrumented.
- Izod
- Unnotched and notched (Type A) specimens.
- ISO hammers
- Equipment at room temperature. Specimens can be conditioned from -40 to +100 °C.

Assets

	Asset	Details
	Zwick HIT 25/50P	Pendulum impact tests. It is equipped with ISO hammers Charpy 2J, 7.5J and 25J and Izod 1J, 2.75J, 11J and 44J.
	Zwick TNO 2010 Notching machine	Automatic machine to notch plastic specimens.

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