

Mechanical tests on plastics – drop tester

Technical data

Device	INSTRON - CEAST 9340
Measuring principle	Drop tester for biaxial impact tests
Drop height	30 to 1100 mm
Energy range	max. 405 J
Impact speed	0.77 to 4.5 m/s
Drop weight	max. 37.5 kg
Special configuration	Instrumented drop bolt (up to 22kN) Pneumatic anti-rebound device

Areas of use / applications

Determination of mechanical properties of polymer materials such as plastics, coating systems of composite fibre components or samples.

Investigation of the following procedures:

- Instrumented impact and penetration testing
- Compression After Impact (CAI)

Instrumented test results/specific values:

- Force
- Impact energy
- Deformation
- Speed vs time

