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JJG

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

JJG 608-2014

Replacing JJG 608-1989

**Cantilever-Beam (Izod-Type) Impact Testing Machine
(English Translation)**

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2 Terminology and units of measurement (1)

2.1

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Introduction

The procedure according to the rules JJF1002-2010 "national verification procedures write rules" given in the drafting.

The procedures in place JJG 608-1989 "Izod impact testing machine test procedures", and JJG 608-1989 phase Ratio, the main technical changes are as follows.

- Abolition of the "back to zero difference" technical requirements;
- Amendments to the "energy loss" technical requirements (see 4.1);
- Abolition of the "relative deviation of the pendulum moment their nominal value," the technical requirements;
- Revised the "impact velocity relative error" the technical requirements (see 4.4);
- New "indication of energy," the technical requirements (see 4.5);
- Abolition of the "pendulum impact testing machine each energy range allow the use of" technical requirements;
- Abolition of the "fixed bearing and movable bearing height deviation" technical requirements;
- New "parallel impact edge and surface of the sample," the technical requirements (see Table 3);
- New "pendulum shaft bearing clearance," the technical requirements (see Table 3).

The regulations and technical specifications of the reference test methods GB/T 21189-2007 "plastic simply supported beam, cantilever and pull Extended impact test pendulum impact testing machines. " the previous versions of this Recommendation published case.

--- JJG 608-1989.

Izod impact testing machine test procedures

1 Scope

The initial verification procedure for the determination of non-metallic materials impact strength Izod impact testing machine, and follow-up inspection and given the use of checks.

Izod impact testing machine, also known as Izod (Izod) impact tester, hereinafter referred to as tester.

2 terminology and units of measurement

2.1 Terminology

2.1.1 the pendulum swing cycle period of oscillation of the pendulum Pendulum position away from the vertical angle of not more than 5° , the time to complete one reciprocating swing required, unit (s).

2.1.2 blow Center center of percussion One o'clock on the pendulum, the point in the swing plane on the specimen and the impact of vertical swing axis does not produce reaction.

2.1.3 pendulum length Pendulum shaft axis distance from the center of the fight, in meters (m).

Note: When an equivalent mass of the pendulum theory is focused on the point when the pendulum length from the axis of the pendulum, which swings the pendulum and the actual period the same wobble cycle.

2.1.4 Impact length when the impact of the sample, and the sample surface impact edge contact line to the axis of the pendulum distance in meters (m).

2.1.5 Starting angle Release position and the vertical position of the pendulum angle in degrees ($^\circ$).

2.1.6 The impact velocity Pendulum impact instantaneous speed in meters per second (m/s).

2.1.7 Potential potential energy in the starting position of the pendulum relative to its position with the impact energy in joules (J).

2.1.8 impact energy the sample deformation, fracture and pushed off the energy required in joules (J).

2.1.9 chassis frame

Test installation pendulum bearings, support frame, forceps and (or) jigs, measuring devices, as well as holding and releasing the pendulum machine Configuration of a part.

2.2 The main symbol, unit and description the main symbol of the procedures used, the unit is described in Table 1.