



T4-03

BALL PRESSURE TEST APPARATUS

KEYWORDS

BALL PRESSURE TEST APPARATUS, IEC 60695-10-2, 60335-1, 60950-1, 60884-1, 60320-1, 60598-1, 61010, 61032, 60439-5, IEC 60601-1, BS 1363-1, IRAM 2073, 4220-1 NM, BIS, UL 2601-1, CSA 60745, VDE, BSI, DIN, EN, CTL DECISION SHEET DSH 0391C.

COMPLIANCE

T4-03 BALL PRESSURE TEST APPARATUS is designed and manufactured in compliance with IEC 60695-10-2, 60335-1, 60950-1, 60884-1, 60320-1, 60598-1, 61010, 61032, 60439-5, IEC 60601-1, BS 1363-1, IRAM 2073, 4220-1 NM, BIS, UL 2601-1, CSA 60745, VDE, BSI, DIN, EN, CTL DECISION SHEET DSH 0391C.

<http://domino.iec.ch/webstore/webstore.nsf/Standards/IEC%2060695-10-2?openDocument>

DESCRIPTION

T4-03 BALL PRESSURE TEST APPARATUS is intended for testing parts of non-metallic materials for resistance to heat. It is applicable to electrotechnical equipment, its subassemblies and components, and to solid electrical insulating materials except ceramics. It is 5 mm hardened steel ball with weights that exert a force of 20 N on the surface of tested sample. A suitable support for tested sample is also enclosed. **The support is equipped with a hole for optional additional thermocouple that enables reading of temperature in the centre of support, just below the sample.** The test sample shall be positioned on the support, heated up in an oven and then loaded with ball pressure test apparatus. After required period, the sample is taken out of chamber, immersed in cold water and then indentation is measured. In some cases this test is long, or multiple samples shall be checked, therefore in such cases it is practical to test multiple samples at the same time – so more than one apparatus might be needed for parallel testing.

FEATURES

- Stainless steel support
- Ball part is made of special gauge steel
- Horizontal rod made of stainless steel
- Ball part is engraved with catalogue number and serial number, to enable its traceability and certification
- The specimen support is a metal block of steel, with a diameter 50 mm and a height of 100 mm as per CTL DECISION SHEET DSH 0391C

DESIGN

BALL PRESSURE TEST APPARATUS made of different materials: the ball part is made of special gauge steel DIN 17006 - 90MnCrV8; AISI O2, W. Nr. 1.2842, This is high quality, high strength steel, with long term dimensional stability, resistance to cracking, high machinability, and great resistance to wear and can be hardened up to 65 HRC. Horizontal rod is made of stainless steel, weights are made of brass and are nickel plated, the support is made of anodized aluminium. T4-03 is packed in wooden box with transparent cover (Plexiglas) and

with inscription plate that indicate conformity with standard. It is intended for use in chamber so all materials are so selected that they can continuously withstand high temperatures.

TECHNICAL SPECIFICATION

Ball diameter:	5 mm
Material	hardened steel
Force exerted on the ball	20 N $\pm$ 0.2 N
Box is made of lacquered plywood: WxDxH:	320 x 180 x 90 mm

CALIBRATION CERTIFICATES

Certificate for ball dimensions and the force exerted on the test sample are available on request, but are not included in the price.

OTHER CONDITIONS

Warranty: 2 years
Support by E-mail: support@testing.si
On line Skype VIDEO Support: Testing_support, matejsimonic

We will be glad to help you and to hear any feedback from you.