Sulphur Melting Pot

LT-C0030 | Capping compound preparation for cylinders and cores

Thermostatic heating • Covered chamber • Laboratory bench use



3,5 L

CHAMBER CAPACITY

600 W

HEATING POWER

ASTM C617 / C617M • Sulphur-based bonded cap preparation

Photographs and Components

Chamber, cover, temperature adjustment and compact body

LT-C0030 melts sulphur compound used to cap the ends of concrete cylinders and cores. The covered chamber and thermostatically controlled heater support controlled preparation of the capping material.

TEMPERATURE SETTING

Select the working temperature with the thermostat dial. Follow the instructions for the capping compound.

COVER AND CHAMBER

The upper cover closes the chamber. Take care with hot surfaces and molten compound when opening it.



CONTROL PANEL

The front panel includes the setting dial, indicator lamp and hot-surface warning symbols.

COMPACT BODY

A compact body for bench use. Position the unit on a stable working surface.



Thermostat dial and front control panel



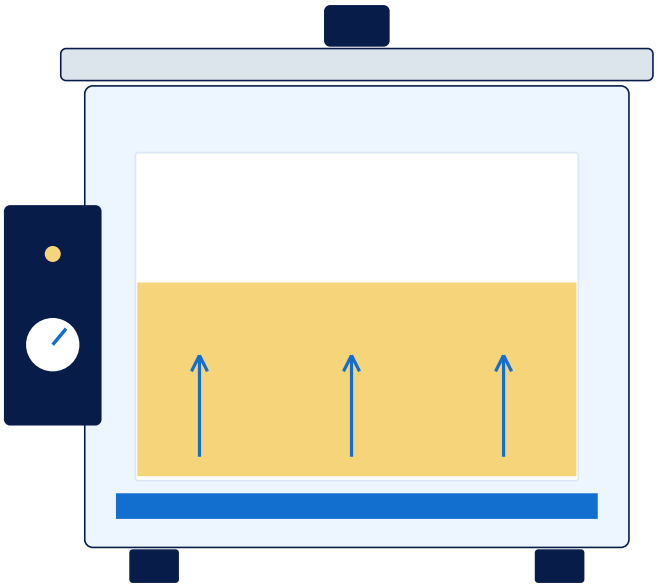
Chamber top and cover handle

LT-C0030

Melting and Capping Principle

Prepare compound • Heat under control • Form the cap • Inspect the surface

THERMOSTATIC MELTING • SCHEMATIC SECTION



SULPHUR-BASED CAPPING COMPOUND

CONTROLLED HEATING AND CONSISTENCY

SCHEMATIC VIEW • NOT TO SCALE

Prepare the Chamber

Place suitable compound in a clean, dry chamber. Select the amount needed for the operation.

Heat and Melt

Set a temperature suitable for the compound. Observe melting and avoid unnecessary overheating.

Form the Cap

Use the compound in an appropriate capping arrangement. Check specimen alignment and cap surface.

The pot melts and prepares the capping compound. Cap geometry, compound properties and application arrangement are assessed together. Suitable preparation of the specimen ends supports load transfer during compression testing.

Temperature and Compound Selection

40–350 °C is the adjustment range of the unit. Select the actual capping temperature from the preparation instructions for the compound.

Record material identification and operating conditions before use. Maintain a consistent preparation arrangement within the specimen series. Observe compound consistency and temperature behaviour throughout the operation.

Cap and Specimen Inspection

Check the capping plate and specimen ends before application. Position the specimen so that its axis remains correctly aligned.

After the cap has cooled and reached sufficient strength, assess flatness, perpendicularity and surface contact. Complete specimen preparation in accordance with the requirements of the selected method.

LT-C0030

Technical Specifications

LT-C0030 • Chamber, heating, electrical supply and application details

Feature	Value / Description
Product Code	LT-C0030
Product Name	Sulphur Melting Pot
Chamber Capacity	3,5 L
Temperature Adjustment Range	40–350 °C
Temperature Control	Thermostatically controlled heating
Heating Power	600 W
Power Supply	220 V / 50 Hz
Overall Dimensions	300 × 400 × 300 mm
Weight	9 kg
Specimen Type	Concrete cylinders and drilled cores
Capping Reference	ASTM C617 / C617M
Related References	EN 12390-3; ASTM C31, C192; AASHTO T23, T126

Working Temperature and Chamber Inspection

Distinguish the adjustment range from the recommended compound working temperature. Check that the chamber is clean and dry; select the setting for the material being used.

Capping Preparation Workflow

01
Inspect
Check the chamber and compound before use.

02
Set and Melt
Select a suitable temperature and observe melting.

03
Cap
Apply compound in a suitable capping arrangement.

04
Complete Checks
Inspect the cooled cap and specimen surface.

Product Page | liyatest.com.tr/en/urun/melting-pot/