PRODUCT DATASHEET

Muffle Furnace

Calcination and sintering in air





DETAIL – CERAMIC-FIBRE CHAMBER

OVERVIEW

The Tech Inc. Muffle Furnace heats samples in air for calcination, ashing, binder burn-out and sintering. A ceramic-fibre chamber gives fast heating with low energy use, and a programmable controller runs ramps and holds.

MODELS AND CONFIGURATIONS

- **1100 °C furnace** – general use.
- **1200 °C furnace** – sintering.
- **Large chamber** – bigger samples.

TYPICAL DESIGN DATA

Maximum temperature	1100 or 1200 °C
Chamber	3 to 30 L
Control	Programmable, multi-segment
Safety	Door switch, over-temperature

APPLICATIONS

Ceramic membrane and support sintering, catalyst calcination, ash content and materials preparation.

KEY ADVANTAGES

- **Fast heating** – ceramic-fibre insulation
- **Programmable** – repeatable firing profiles
- **Safe** – door switch and over-temperature cut-out

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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