

1200°C Muffle Furnace For Materials

Sintering



TOB-MF1200 Muffle furnace is a 1200°C laboratory muffle furnace mainly used for battery materials or other powder materials and ceramic sintering research.

- Brand: TOB NEW ENERGY
- Item No.: TOB-MF-1200
- Order(Moq): 1 set
- Payment: L/C, T/T, Western Union, Paypal
- Product Origin: China
- Shipping Port: XIAMEN
- Lead Time: 7 days

Product Detail

1200°C Muffle Furnace (12x12x12", 27 L) with Programmable Controller & Venting Port

SPECIFICATIONS

TOB-MF1200 Muffle furnace is a 1200°C laboratory muffle furnace mainly used for battery materials or other powder materials and ceramic sintering research.

Model	Muffle Furnace TOB-MF1200
Structure	<p>1 Thermal efficient ceramic (high purity alumina fiber) insulation surrounding the chamber provides maximum energy efficiency.</p> <p>2 Heating elements on all four sides of interior chamber for fast heating and enhanced temperature uniformity.</p> <p>3 Heavy duty double layer structure with cooling fan to keep furnace exteriors safe to touch.</p> <p>4 Built-in vent port removes undesirable contaminants and moisture; extends the life span of the heating elements and furnace.</p>
Chamber Dimensions	<p>Size: 12" x 12" x 12", 300*300*300mm</p> <p>Capacity: 27 liters</p>
Power	<p>7 KW Max. at 10°C/min to 1200°C</p> <p>40 A fuse (installed)</p>
Voltage	110~240V AC, Single phase, 50/60Hz
Operating Temperature	<p>1100°C (Continuous)</p> <p>1200°C Max (< 3 hour)</p>
Temperature Stability	±1°C at 1000°C
Temperature Uniformity	±3.45°C at 1000°C
Max. Heating Rate	10°C/min
Temperature Controller	<p>1 PID automatic control with 30 programmable segments for precise control.</p> <p>2 Built-in over temperature alarm and protection</p> <p>3 +/- 1 °C temperature accuracy.</p> <p>4 K type thermocouple installed for immediate use.</p>

Gas Fitting & Exhaust	<p>One 1/4" barbed Gas Inlet installed on back panel of furnace</p> <p>One gas exhaust port is built on the top of the furnace casing.</p>
Product Dimensions	24" x 26" x 22" (D x H x W) 60*66*55cm
Shipping Dimensions	48" x 40" x 49" (D x W x H) 122*100*125cm
Shipping Weight	350 lb, 160kg
Warranty	One year limited warranty with life time support.
Application Notes	<p>1 For preserving the longevity of the furnace components, we recommend the heating rate not to exceed 10 °C /min.</p> <p>Cooling rate shall also not exceed 10 °C /min.</p> <p>2 This furnace lacks vacuum sealing , toxic or explosive gases are not recommended for use with this furnace without necessary safety controls and supervision.</p> <p>3 Small cracks may appear on surface of refractory ceramics over extended use.</p> <p>This is a normal occurrence and the cracks may be repaired with alumina coating</p>

Temperature controller structure 518P 7.20 ver.

