

Melt Flow Rate Tester for Thermoplastics

This PP melt index instrument uses automatic sampling and balance weighing to determine the volume of thermoplastic melt flow rate (MFR). The instrument adheres to a formula for assessing the melt flow rate of thermoplastics.



Product Overview

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This melt index instrument is a precise extrusion device designed to determine the MFR (g/10min) and MVR (cm³/10min) of thermoplastics. It evaluates the mobility and viscosity of molten materials, ensuring high-quality standards in plastics, petrochemicals, and research industries. The system features rapid heating, high temperature stability, and multiple cutting methods to deliver reliable physical property measurements.

Standards & Compliance

Compliance Certification

ISO 1133, ASTM D1238-98, GB/T 3682, GB/T 9643, JB/T 5456

Performance Metrics

Key Technical Metrics

400

Max Temperature

0.5 ±

Temperature Accuracy

4 min

Temp Recovery Time

Technical Parameters

Dimensions & Mechanical Specs

| Component | Diameter (mm) | Length (mm) |
|-----------------|---------------|---------------|
| Outlet | 2.095 ± 0.005 | 8.000 ± 0.025 |
| Feeding Tube | 9.550 ± 0.025 | 152 ± 0.1 |
| Piston Head/Rod | 9.475 ± 0.015 | 6.350 ± 0.100 |

Operating Features

System Capabilities

- Chinese liquid crystal display
- Manual or automatic cutting method
- Integrated micro-printer
- Adjustable heating speed
- Parameter calibration support