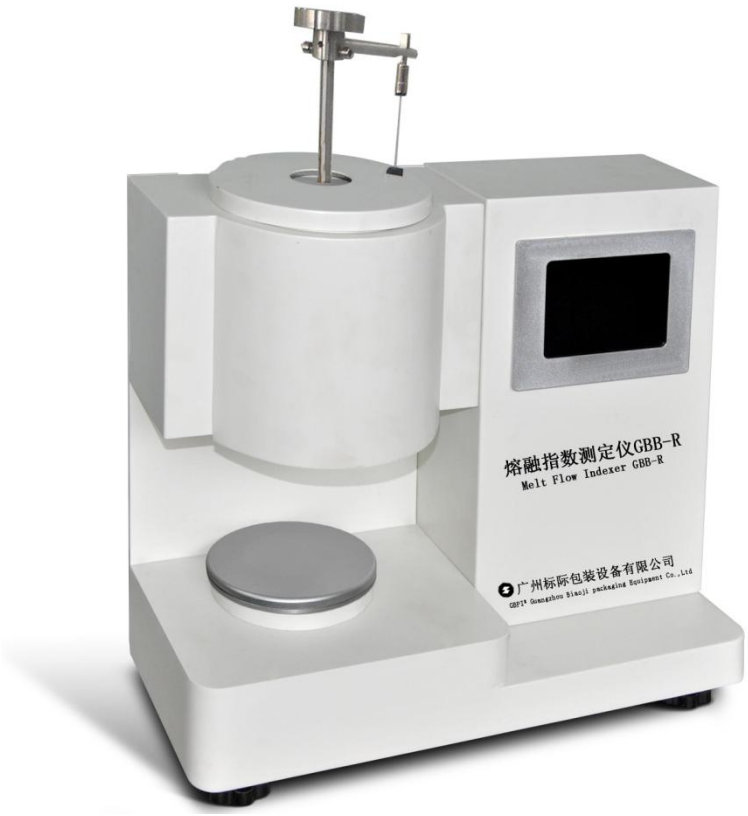
Melt Flow Indexer (MFI) GBB-R



Product introduction

The melt index tester GBB-R is a precision packaging material testing instrument developed and manufactured by the Guangzhou Standard Research and Development Team based on ISO and GB standards and market demand. It is used to measure thermoplastic melt mass flow rate (MFR) and melt volume flow. rate (MVR).

It is suitable for the determination of the melting index of various high polymer plastic materials such as polyethylene, polystyrene, polypropylene, ABS resin, polyoxymethylene resin, polycarbonate, nylon, and fluoroplastics at high temperatures. It is an ideal configuration instrument for off-line or on-line detection of thermoplastic melt index in , petrochemical and other industries.

Test Principle

Calculate the melt mass flow rate (MFR) and melt volume flow rate (MVR) from the molten material extruded through a die of specified length and diameter under specified temperature and load.

Standard

GB/T 9643、GB/T 3682、JB/T 5456、ISO 1133

Technical parameter

Project	technical parameter
Measurement methods	Mass method (MFR), volume method (MVR)
Mass method measuring	0~200 g
Volume method measuring	0~80 cm^3
Mass measurement accuracy	0.1 g
Automatic timing of test	0.1~999.9 s
Temperature control range	room temperature ~300℃

Temperature control	±0.5℃
temperature fluctuation	1℃
Displacement accuracy	0.1 mm
Cylinder temperature	≤4 min
cutting method	Automatic timing cutting (0.1~999 s), arbitrary cutting.
Die inner diameter	Φ2.095±0.005 mm
Barrel inner diameter	Φ9.550±0.025 mm
standard load	3.187~211.82 N total 8 levels，load accuracy≤±0.5%
size	450 mm×200 mm×500 mm；500 mm×280 mm×500 mm
power	1000 W
power supply	AC 220 V，50 Hz

Features

Advanced configuration and advanced technology

PLC control temperature rise, fast temperature rise, high constant temperature accuracy, temperature control accuracy ± 0.5 ℃, return to constant temperature state within 4 minutes after filling.

Mass method (MFR) and volume method (MVR) are integrated, manual cutting and automatic cutting methods are integrated

Application field

	Polymer Plastic Raw Materials	It is suitable for the determination of the melt index of various high-polymer plastic materials such as polyethylene, polystyrene, polypropylene, ABS resin, polyoxymethylene resin, polycarbonate, nylon, and fluoroplastics at high temperatures.

Factory configuration

The standard configuration	Power cord, weight, funnel, feeding rod, die ejector rod, hexagon wrench, cross screwdriver
User-supplied	3-hole socket, ground wire

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