

MELT FLOW INDEX



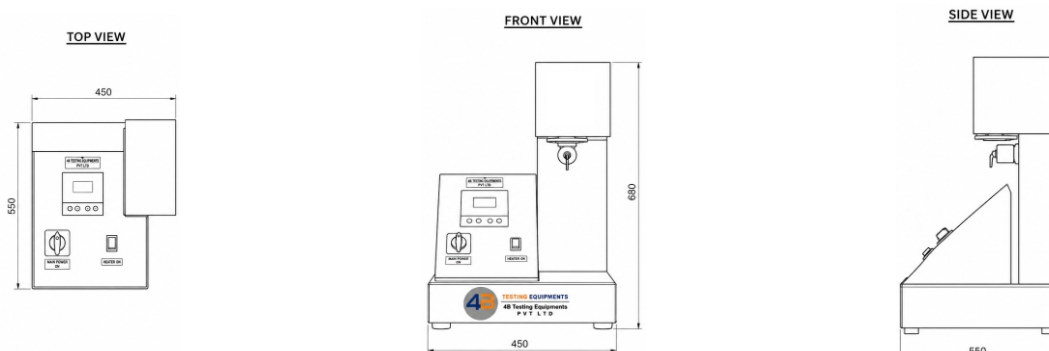
In the plastic and polymer industry, MFI (Melt Flow Index Tester) is the most important testing equipment. Polymers like materials that melt at certain temperatures, this amazing instrument \ will help measure the resistance of materials.

Melt Flow Index Tester is a consistent tool useful for checking the flow properties of molten plastics / resins. 4B Testing Equipments Melt Flow Index Tester is manufactured under various Test Standards ASTM D 1238-1992 IS 2267-1972, IS 2530-1963, IS 10810-1984.

**** Applicable only upto 20 MFI ****

- Microprocessor based PID controller
- Automatic sample cutting
- Digital Preset Timer for accuracy and repeatability
- Die Steel barrel for uniform and consistent heating of barrel/test cylinder.

Melt Flow Index is defined as the rate of flow of extrudate of molten resins through a jet of a specific length and diameter under prescribed conditions of temperature, load and piston position inside a heated metallic barrel. Melt flow Index of thermoplastic material is expressed in terms of grams per 10 min of extrudate of molten resins that flow through the heated cylindrical barrel.



Key Specifications:

Display	Digital 7 Segment, led display
Temperature Range	Ambient to 400°C
Accuracy	± 1°C
Least Count/Resolution	0.1°C
Power	220V , Single phase, 50 Hz
Sample Cutting	Automatic Motorized
Temperature Control	PID Temperature Controller
Timer	Digital Preset upto 999 seconds
Material of Heating Barrel(Cylinder)	Die Steel
Sample Cutting Motor	Torque 7Kg/cm ² , 60RPM

Highlights:

No. of Dead Weights	4 (1.2 kg, 2.16 kg, 3.8 kg, 5 kg)
Material	Mild Steel
Finish	Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
Dimensions	550 x 550 x 500 mm

* The Melt Flow Index in grams per 10min. of the test specimen can be calculated.

Optional :

- Melt Flow Index Next Generation model with touchscreen facility also available.
- Other Specific Deadweight also available on request
- Weighing scale (200 gram) also available on request.

					
Izod / Charpy Tester	Gloss Meter Triangle	Carbon Black Content	Moisture Analyzer	Wall Thickness Gauge	Xenon Lamp Aging

Contact us:

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