

# Melt Flow Index Tester



## Product Info :

Melt Flow Index Tester (MFI) is used for evaluating the Melt Flow Index or MFI value of a polymer to analyze its quality standard. The MFI value decides the grade of plastic material depending on which the materials can be further used. The equipment is renowned for its high-precision testing and is one of the most-used products in polymer industry for quality testing.

Melt Flow Index (MFI) Test is conducted in polymer manufacturing industry to measure the ease of flow of the molten thermoplastic polymer material. The evaluated value provides the molecular weight of polymer extracted in 10 min through a die of fixed diameter and pushed by a fixed weight at a set temperature. The manufacturers of the polymeric substances need to assess this property accurately to ensure the best required quality of the end products.

The MFI or the Melt flow rate plays a significant role in deciding the physical properties as well as the structure of the polymer. The greater the melt flow index, lower will be the mechanical strength of the polymer and higher the flexibility it will deliver that helps in molding of plastics.

Melt Flow Index Tester is one of the best quality testing machines that are used widely across the polymer industry. It is regularized with globally-acclaimed standards like ASTM D 1238 and ISO 1133. For accurate measurement of MFI, the equipment comes with wide range of weights that allows conducting distinct types of tests. The instrument is also provided with Digital Microprocessor-based display that allows the users to monitor and measure the temperature and other parameters during testing.

## TECHNICAL DATA :

- Model: PCMFIT-1
- Temperature Controller: Microprocessor based Digital Temperature Controller
- Temperature Range: Up to 400 Degree Celsius
- Resolution: 0.1 Degree Celsius
- Accuracy: +/- 0.1 % F.S.D.
- Timer: Microprocessor based Digital Timer with range up to 999.9 seconds
- Weights: 2.16 Kg and 5 Kg hard chrome plated weights
- Accessories: Orifice, Piston, Material charger, Barrel Cleaner, Orifice cleaner, and Sample Cutter
- Paint: Powder Coated
- Power Requirement: 230V AC, 50 Hz
- Amperes: 4 Amps.

## FEATURES :

- Preset timer facility and buzzer output
- Sample Cutting, Auto cutting
- Automated Sample Cutting facility
- Comes with digital temperature controller and indicator
- Duly powder coated outer body for long life and corrosion resistance
- Comes with different load weights
- Greater accuracy with digital preset timer

## Our Valuable Customer



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