

Automatic Melt Flow Index Tester - Computerized



Product Info :

Automatic Melt Flow Index Tester (Computerized) is an advanced version in the Melt Flow Index testing equipment range. The equipment is used for performing Melt Flow Index Test that helps evaluate the quality standards in the polymer industry. The machine is supported with computerized processes and provides automated evaluation. Melt Flow Index Test is one of the major testing protocols followed in the polymer industry. The MFI test is considered to be a mandatory criterion to clear for products before they can be selected ahead of production. The MFI value determines the molecular weight of the polymer and helps the manufacturer to assess the melting behaviour of plastic material.

The MFI test is a procedure in which a polymer sample is placed inside the tester, heated at a standard set temperature.

The molten plastic is then pushed through a standardized die with a specified diameter by exerting a fixed amount of weight. The molten plastic which comes out within 10 min of time is evaluated. This value is the Melt Flow Index. Lower The MFI value, Higher is its Flexible nature. The same procedure when performed on multiple samples helps the manufactures to categorise as per the quality and can easily decide its further use.

The Automatic MFI Tester comes with automated services like automated sample cutting which ensures that when the fixed time of 10 min completes the melted sample is automatically cut off and the test procedure stops. Once the procedure ends the user no need to weigh the material separately as the equipment deliver an automated weighing service too with an in-built digital weighing balance.

TECHNICAL DATA :

- Model No.: PCAMFIC-1
- Display: Digital LCD with backlit
- Window Based Software
- RS 232 Port to Interface with Computer
- Temp Controller: Microprocessor-based LED Temperature Controller
- Temperature Range: Up to 400 Degree Celsius
- Resolution: 0.1 Degree Celsius
- Accuracy: ± 0.1 Degree Celsius
- Timer: Range up to 999.9 Seconds
- Weights: 2.16, 5.0 Kg Hard Chrome Plated Weights
- Accessories: Orifice, Piston, Material Charger, Barrel Cleaner, Orifice Cleaner, and Sample Cutter
- Paint: Powder Coated
- Power: 220V AC / 50 Hz, Single Phase
- Amperes: 4 Amps

FEATURES :

- On Completion of Test, Scrolling Display for Test Results and Average MFI Value
- Transfer of Test Values to Computer for Record or Print on Completion of Test
- Inbuilt Digital Weighing Balance with Accuracy of 0.001gm (1mg)
- Auto Sample Cutting
- Auto Weighing of Molten Sample
- Auto MFR Calculation

Also called - Melt flow index Equipment and Melt Flow Index Tester, MFI Price

Our Valuable Customer



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