



Meltflow Index



Description

The manually operated test procedure is very simple to undertake. Molten Polymer is extruded through a closely controlled orifice (die) from the apparatus using pre set conditions of temperature and pressure produced by a dead weight system. The extruded polymer is cut off manually and is then weighed. Using the time interval to extrude the polymer its flow rate over 10 minutes can easily be determined, thus giving the Melt Flow Index (MFI) or Melt Mass Flow Rate (MFR) in g/10 min. By conducting a simple Density Test at test temperature on the same material using the same pre set conditions and a known piston travel distance the Melt Volume Rate (MVR) can also be determined.

Features

- Digital Temperature Controller
- Large Twin Color Display
- Easy Set Point Operation
- Digital Timer Large easy to read display
- Test Die, Piston & 2.16kg Test Weight supplied as standard
- Filling and cleaning tools included as standard

TECHNICAL DATA

Temperature Accurate	+/- 0.1°C
Temperature Range	0 to 400°C
Temperature Resolution	+/- 0.01°C
Count Range	1 second to 99999 hours 59 seconds (8 character display)
Electrical characteristics	110v@60hz and 220v@50hz – fuse rating: 10amp

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