SANMY
innovative solutions

MELT FLOW INDEX
IS 10810 (Pt 23), ASTM D 1238
SSI 523 MFI

An ISO 9001:2008 Company
GMP compliant

The melt flow index test method is useful for quality control tests on polyethylene having low melt viscosities. The method covers the finding of melt flow index of polyethylene insulation and sheath of electric cables by measuring the rate of extension of polyethylene through an orifice of a specific length and diameter, under prescribed conditions of temperature and pressure. Melt flow index is the fluidity of molten polyethylene expressed as the weight in grams extruded in 10min through a standard jet under a specific pressure and temperature. The MFI is expressed grams \ unit.

The actual instrument may differ the one shown in photo due to regular improvement efforts

The Instrument consist of the following

- One hardened steel cylinder.
- Specially designed heaters, for uniform heating throughout the cylinder, controlled by PID temperature indicating controller , within an control accuracy of 0.5 ^{o}C
- Mild steel piston, with head of length of 6.35 ± 0.10mm. A stud is attached to support the load. The piston is thermally insulated from the load.
- Two weights of 2.16g and 5 kg.
- Two Hardened steel jet of 8.000 ± 0.025 mm and internal diameter of 2.095 ± 0.005mm and length 8.000 ± 0.025 mm and internal diameter of 1.160 ± 0.005mm are provided.
- Barrel cleaning device
- Timer

S.S. INSTRUMENTS PVT. LTD.

TRIVENI COMPLEX, E-10-12, JAWAHAR PARK,
LAXMI NAGAR, DELHI 110 092
Ph: +91 (11) 2242 5415, Telefax: +91 (11) 2244 0417,
Email: info@ssinstruments.com, Web Site: www.ssinstruments.com