Product name:	Product code:
Capillary Rheometer for Polymer Compound Melt Viscosity	CMI-IND-0223

Description

Twin-barrel capillary rheometer that measures shear viscosity of molten polymer compounds across a range of shear rates. Used by compounders to qualify processing behaviour of filled and reinforced resins.

Technical specification

- Capillary dies
- Orifice die
- Cleaning tools

A piston forces melt through a capillary die at programmed speeds while pressure transducers record the force. Viscosity curves guide extrusion and molding settings for each compound. Bagley and Rabinowitsch corrections are built into the software.

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Features

- Barrel temperature to 450 deg C
- Programmable piston speed
- Pressure transducers 0 to 100 MPa
- Interchangeable dies L/D 10 and 20
- PC software with viscosity curves

Technical Specifications

Test Standards	ASTM D3835, ISO 11443
Barrel Diameter	15 mm
Temperature Range	Ambient to 450 deg C
Piston Speed	0.01 to 600 mm/min
Pressure Range	0 to 100 MPa
Shear Rate Range	10 to 10000 1/s
Load Capacity	20 kN
Power	230 V AC, 50 Hz, 3 kW

Standard Accessories