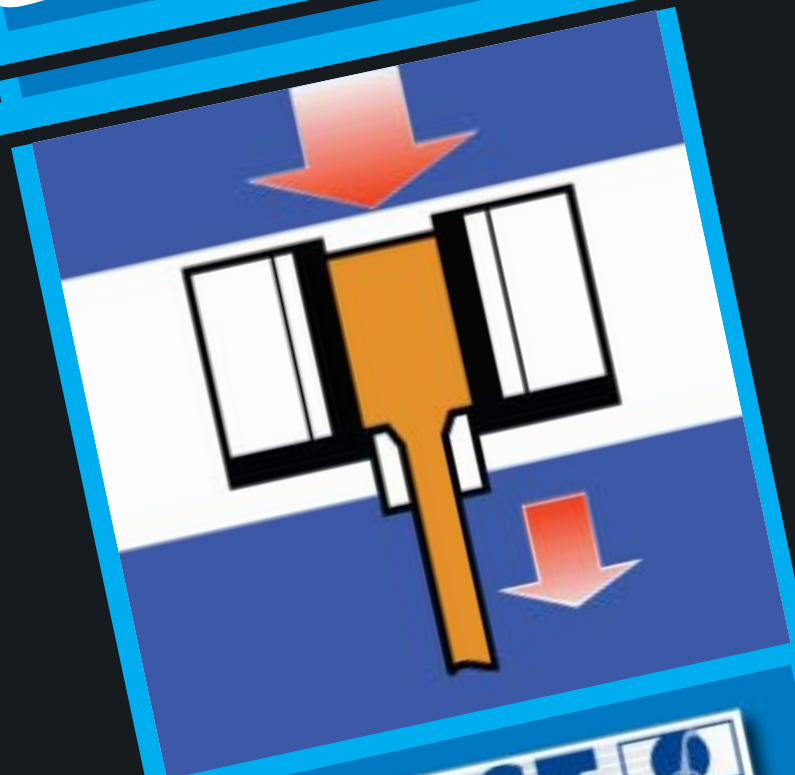


MELT FLOW QUICK INDEX



CEAST 

DESIGN AND PRODUCTION OF
INSTRUMENTS AND APPARATUS
FOR QUALITY CONTROL
ON MATERIALS

These instruments are made in
compliance with CE health
and safety requirements



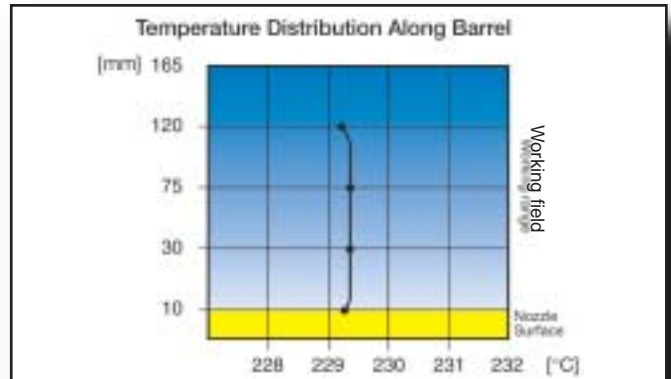
Melt Flow Quick Index - code 7021.000 - 7022.000

Latest arrival in the CEASt Melt Flow Family, the MF Quick Index has been developed to meet the market demand for a quick and simple quality control test for incoming raw materials according to MFI-method A. Our Melt Flow Quick Index features market leading temperature uniformity and stability on the full barrel length. This permits outstanding precision and repeatability in MFI results. The Quick Index is user-friendly and can be operated in any environment: from production floor to R&D laboratory.

Standards

Designed and built to meet the following standards:

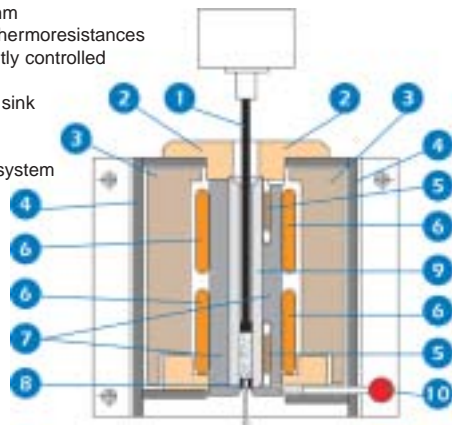
- ISO 1133 ▪ ASTM D 1238 method A and others equivalent.



Linear Temperature Profile

The LINEAR TEMPERATURE PROFILE of CEAST's oven remains highly stable over time, thanks to its unique, patented, design. This design allows for maximum thermal efficiency that reduces the temperature recovery time after specimen introduction to a minimum. CEAST's specially designed oven can be considered the core of our Melt Flow Family of instruments. The Melt Flow Quick Index benefits from this same technology that is used in CEAST's most advanced Melt Flow Testers.

- 1 Calibrated piston
- 2 Special insulation plates
- 3 Rock wool insulation
- 4 Outer case metal 2 mm
- 5 Independent PT100 thermoresistances
- 6 Separate independently controlled heating bands
- 7 Solid aluminium heat sink
- 8 Calibrated nozzle
- 9 Calibrated barrel
- 10 Easy nozzle release system



Oven Cross-Section

The diagram above of the oven cross-section clearly demonstrates how CEAST maintains the LINEAR TEMPERATURE PROFILE. ASTM D1238 states that the internal diameter of the nozzle must be machined within a precision of ± 7.5 microns. CEAST works to an internal specification of machining precision of ± 5.0 microns. This tightening of the tolerances results in even greater test precision and repeatability.

Features

- Patented solid aluminium heat sink and thermal insulation for optimum thermal efficiency and temperature stability with all materials
- Individually calibrated nozzle, piston, and barrel complete with certificates
- The test temperature is maintained by means of two independent thermoregulators
- Manual cutting device (optional, code 7021.005)
- Easy nozzle release system
- Auto-check sequence
- Cut-off Safety Thermostat

Technical characteristics

- Temperature range: 30 ÷ 400°C
- Resolution: 0.1°C

Technical Characteristics

| | | | |
|-----------------------------------|-----------------|--------------------------|----------------------------------|
| ▪ Overall dimensions (LxDxH) [mm] | 320 x 340 x 500 | ▪ Supply (code 7021.000) | 230 V - 50/60 Hz - Singlephase |
| ▪ Weight [kg] | 26 | (code 7022.000) | 110 V - 50/60 Hz - Singlephase |
| ▪ Power [W] | 800 | ▪ Paint | fuchsia RAL 4006 - gray RAL 7035 |

"Due to the continuous development policy of CEAST's Research and Development Department, changes may be introduced without notice"

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