



MVR / MFR – Extrusion Plastometer

Melt Volume and Melt Flow Rate

www.coesfeld.com

EXTRUSION PLASTOMETER

for accurate Melt-Flow Rate and Melt-Volume Rate measurement

STANDARDS

ISO 1133

ASTM D1238

JIS K 7210



Extrusion Plastometer

BASIC for MFR only



STANDARD for MVR/MFR



COMFORT+



TECHNICAL SPECIFICATION

Temperature	+50 to +450 °C
Temperature, display accuracy	0.1 °C
Time, display accuracy	0.001 s
Test weight	0.325 to 21.6 kg

Basic

Temperature	digital controller
Extrudate cutter	motorized

Standard

Distance transducer	0.001 mm
Dimensions / WxDxH	600 x 480 x 540 mm
Weight	40 kg
Mains	230 V 50/60 Hz / 1200 VA

Comfort+

Weight lift	motorized spindle
Piston grip	pneumatic
Dimensions / WxDxH	600 x 480 x 1150 mm
Weight	85 kg
Mains	230 V 50/60 Hz / 1700 VA

Extrusion Plastometer



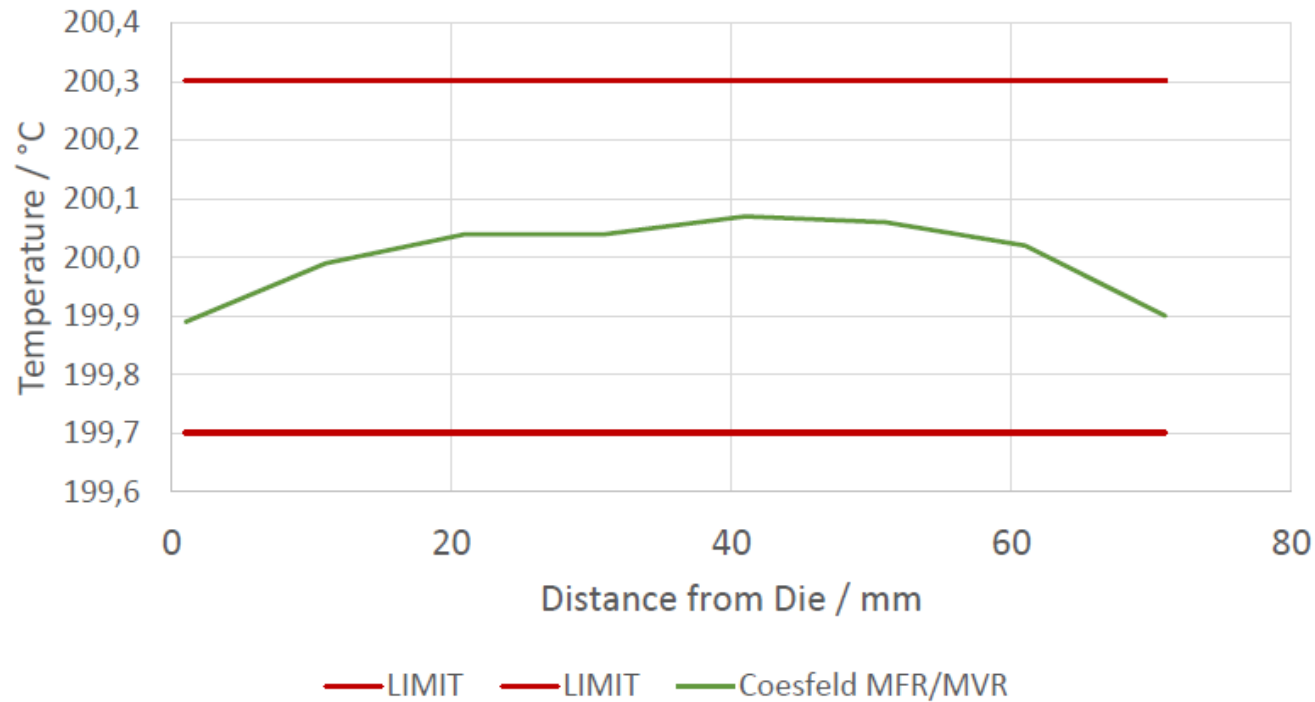
Extrusion Plastometer



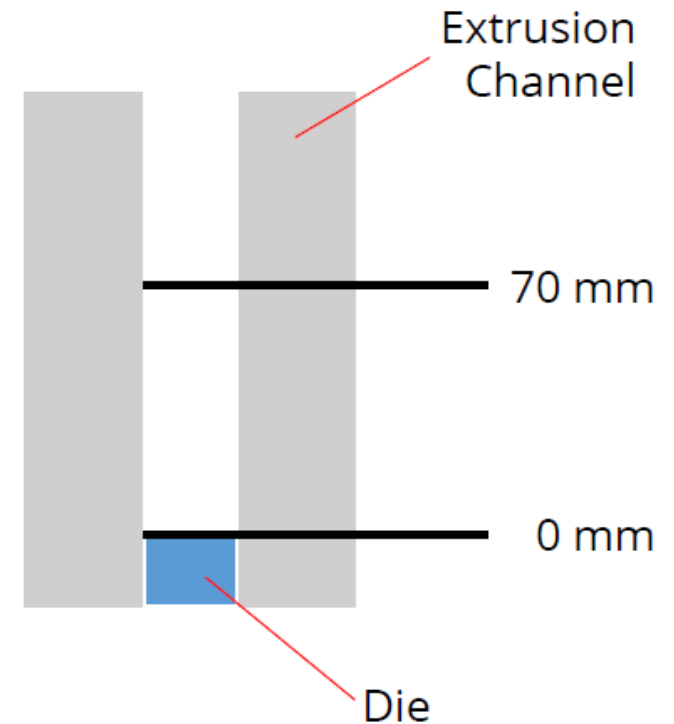
Extrusion Plastometer

Temperature distribution along the heating channel

Delta T < 0.2 °C



Limits from ISO 1133



WIN-MFR/MVR Software

Machine operation via integrated touch panel and Win-Software

Windows-Software is included to machine hardware and comes with packages „Measure“, „Report“ and „Database“

Intuitive „Traffic Light“ Operation

Live-Value

Live-Diagram

Machine Status

Order/ Result Data

Report

Database

Extrusion Plastometer MFR / MVR

Target temperature: 120,0 °C

Current temperature: 23,3 °C

Current MVR: 0,000 cm³/10min

Piston position: 25,70 mm

Weight: 2,2 kg

Lift position: 32,10 mm

Lift progress:

Device state: Standby

Order number:

Customer:

Pre-treatment:

Standard:

Material:

Sample portion:

Read results from device

Segm.:	Time [sec]	Length [mm]	Weight [g]	MFR [g/10min]	MVR [cm³/10min]	Density [g/cm³]	Ignore
0							
Δ							

Weight level: 1

COESFELD MATERIALTEST

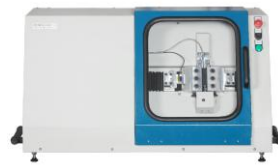
COESFELD MATERIALTEST

Report

Database

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MATERIALTEST



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TESTING EQUIPMENT
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