spiral flow/rheology

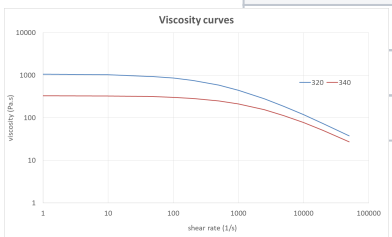
Data

THEORY, KNOWLEDGE, & MODELS

CAPABILITIES

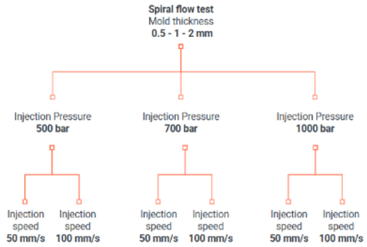
rheology curves from Moldflow characterization

Spiral Flow Analysis

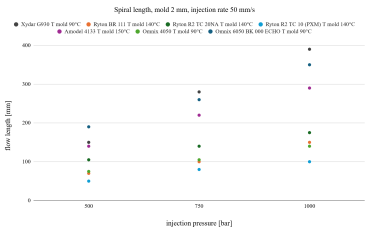


Spiral data Spira flow DB

Spiral flow testing method



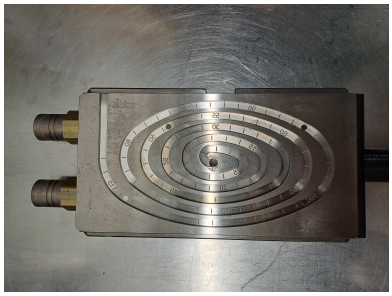
Spiral Length: 2 mm Mold, 50 mm/s Injection Rate



Spiral flow mold capabilities

ADL - BOLLATE

1) Evaluation of flowability in thermoplastic polymers



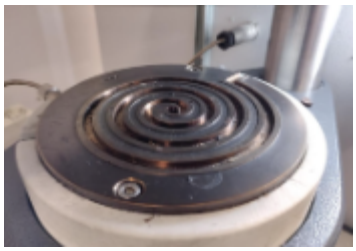
- Mold Thickness: 2 mm
- Total Spiral Flow Length: 117 mm
- IM machine: Fanuc 180-Ton

Molds from NOH – Available in Bollate

- Current Status: Temporarily out of order
- Mold Thickness: 0.5 mm, 1 mm, 2 mm, 4 mm
- IM machine: Fanuc 180-Ton (from NOH)

Contact people: Rosaria Anastasio / Andrea Capelli

2) Analysis of the flow behavior of elastomer (FKV) and thermosets



- Mold thickness: 2 mm
- Total Spiral Flow Length= 80 mm
- Capillary Rheometer RCR II GÖTTFER

Contact people: Davide Franchini / Carmine Andriella

ADL - ALPHARETTA

1) Assessment of flow properties in thin sections, essential for micro molding applications.

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- Mold Thickness: 0.1, 0.2, 0.5 mm
- Total Spiral Flow Length: 245 mm
- IM machine: Sodick GL30-LP

Contact person: Elias Irick

2) Evaluation of flowability in thermoplastic polymers

- Molds available:
  - 1/32"D x 3/16"
  - 1/8"D x 3/16"
  - 1/16"D x 3/16"
  - 0.016"D x 3/16"
  - 0.08"D x 3/16"

SHANGHAI

1) Evaluation of flowability in thermoplastic polymers

- Mold available:
  - 700*10*0.5 mm
  - 700*10*0.8 mm
  - 700*10*1.5 mm
  - 700*10*2 mm