$(\frac{d}{R})$
$d >$
$1mm$
$R <$
$50mm$
$R_{cylinder} =$
$30mm$
$R_{out} =$
$25mm$
$h =$
$30mm$
??
$_1/female_mold.jpgLongitudinalsectionofthefemalemold$
$R_{in} =$
$R_{cylinder} =$
$30mm$
$5mm$
$5mm$
5
$_1/sleeve_translation.jpglongitudinalsectionofthesleeve$
??
$R_{int} <$
R_{out}
$R_{int} =$
$18.5mm, 20mm, 23mm$
1
$_1/male_mold.jpglongitudinalsectionofthemalemold$
$R_{in} =$
$R_{cylinder} =$
$30mm$
$5mm$
$50mm$
??
$_1/rolling_machine.pngPastamaker$

All the molding parts presented are made of Aluminum "'Fortal"'. The female and male molds were machined using a CNC (computerized numerical

®

®
$\frac{d}{R}$
A
B

R_{int}
th
?

7
??
1/$schematic_experimental_setup.pngSchematicsofthespringexperiment$

??
$3 10^5 Pa$
1/$cuve_representation.pngSchematicsofthepressurizeabletank$
$F_{measured} =$
$K \Delta x$
$\approx$
20%

8
??
??
−3
−3
−6
??
9
$T = \frac{}{stepwidth}$