

BMM3643 Manufacturing Processes

Forming and Shaping Polymer Processes

Individual Assignment 3

by

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Individual Assignment 3 - Forming and Shaping Polymer Processes

- Aims
 - Able to differentiate between various forming and shaping processes for plastics
- Expected Outcomes
 - Understand the difference between plastic extrusion, injection molding and blow molding process.
 - Able to analyze the process characteristics and capabilities of plastics extrusion, injection molding and blow molding.



Individual Assignment 3

1. Describe the differences between extrusion process and injection molding in producing polymer products?
2. Summarize each processes listed below:
 - i. Extrusion process
 - ii. Injection molding
 - iii. Blow molding

You may used schematics diagram to help in describing each processes.

3. Choose the suitable polymer processing technique to make a plastic bottle. Provide also a sketch to show steps in manufacturing an ordinary plastic bottle.



Individual Assignment 3 Format

Please remember to **include the questions** given in the assignments. **Cover page** of the assignment should include:

1. Your Name & No. Matric
2. Section
3. Lecturer's Name
4. Submission date

ZERO MARKS for PLAGIARISM & COPY/PASTE from internet !!!

Late submission also will be penalized.

