

Heat Sealing Individual Module: 25	TEL 204: Polymer Molding & Forming Department of Technology	Student Name:
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Overview:

Thin thermoplastic sheets can be sealed with the controlled application of heat and pressure. Name badge holders, plastic sandwich bags, vinyl pouches, and a variety of packaging products utilize a heat sealing process. You will design a small pouch of some type to hold and protect an object you own. You need to plan the pouch carefully to allow for seams, closures, and fasteners.



Velcro can be used to keep a pouch flap closed. There are three impulse sealers that can be used for this module. Use clear .008” vinyl sheet. Sealer setting will be approximately 2.1 seconds of sealing time and 7 seconds of congeal time. Thinner materials require less time.

Planning:

Include a detailed hand or cad drawing of your proposed pouch. Include dimensions and any critical construction notes. **Show me the sketch before you construct the pouch.**

What is the thickness of the vinyl you will use? _____

Grade:

Seal Structure (25)	Seal Appearance (25)	Sketch of Pouch with Instructor approval (25)	Lessons Learned (25)
Grade:			

Sketch of Pouch:

Lessons Learned:

List the most important lessons learned from this polymer module.

- 1. _____

- 2. _____

- 3. _____

