

Plastics Identification Group Module: 7	TEL 204: Polymer Molding & Forming Department of Technology	Student Name:
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Overview:

Understanding polymers begins with recognizing them. Plastics repair and recycling requires correctly identifying different plastics. Designing products for molding requires an understanding of the many families of polymers and the thousands of possible characteristics they can provide. You will be given a number of different plastic samples.



Use the various tests available to identify each of the sample plastics. Record notes about each plastic as you perform each test. Consult <http://tryon.oswego.edu> for additional resources. You must research these materials outside of class. Familiarize yourself with the specific polymers used in the consumer goods you use everyday.

Directions:

1. Review all of the polymer samples. You may recognize some of them.
2. OUTSIDE of class you will need to research polymers used to mold common goods. Examine products, search the web, ask experts, contact manufacturers to familiarize yourself with common polymers.
3. Review the Plastic Identification Flowchart and the other references concerning plastics identification.
4. Perform NON-destructive identification tests and record your findings.
5. Try to make an identification using nondestructive means.
6. Perform the hot point test to determine if the sample is a thermoplastic or a thermoset plastic.
7. Perform additional destructive identification tests (as necessary) and record your findings.
8. Research tradenames, abbreviations, & chemical names for each plastic identified.

Identification (200)	Notes (40)	Safety (20)	Clean up (20)	Spelling (20)	TOTAL (300)

Sample #	Polymer Abbreviation	Common Trade Name(s)	Polymer Name
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Sample #	Polymer Abbreviation	Common Trade Name(s)	Polymer Name
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Sample #	Polymer Abbreviation	Common Trade Name(s)	Polymer Name
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