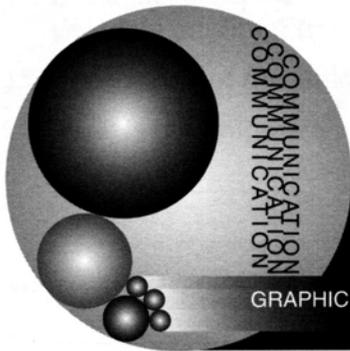


Name _____

Date _____ Score _____

Flexographic Printing

21



Learning Objectives

After studying this chapter, you will be able to:

- Describe the flexographic process.
- Recognize various types of presses used in flexography.
- Identify the types of substrates, inks, and plates used in flexography.

Answer the following questions. Write your answer in the space provided.

1. Flexography is one of the most widely used printing processes because of its ability to print high quality graphics on _____. 1. _____

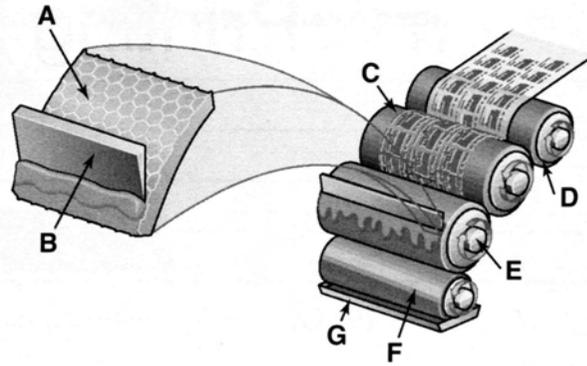
2. Why are flexographic inks ideal for printing on polyethylene products?

3. Flexography was originally known as _____ printing because of the dyes used to color the ink. 3. _____

4. What is an *anilox roll*? _____

5. What is the purpose of the doctor blade in a flexographic press?

6. Identify the different parts of the flexographic ink delivery system on the following page.
A. _____
B. _____
C. _____
D. _____
E. _____
F. _____
G. _____

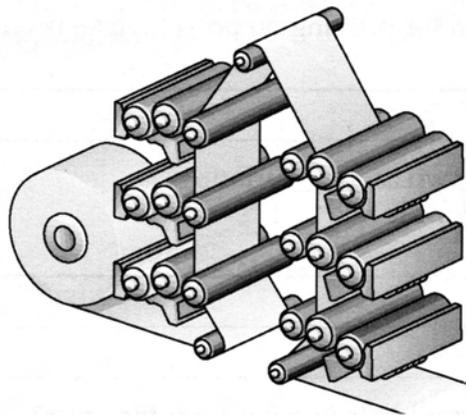


7. A(n) _____ flexographic press has separate print stations placed in a straight line.
- two-cylinder
 - central impression cylinder
 - stack
 - inline
8. Flexographic presses are _____ printing machines and print on every _____ of the cylinders to a moving web of substrate material.
9. The _____ press shown below was the first type of press developed for flexographic printing.

7. _____

8. _____

9. _____



10. What are two limitations of the rubber plate molding process?

11. _____ plates have a longer life than rubber plates and will eventually dominate the flexographic industry.

11. _____

12. What type of plate is imaged directly by a computer?

13. Flexographic plate elongation depends on what two factors?

Name _____

14. In the flexographic pin-register system, punched holes in the plate are fitted to pins on the _____. 14. _____

15. The surface of the anilox roll is engraved with _____. 15. _____

16. How is ink volume regulated on a flexographic press?

17. What is *repeat length*?

18. A Zahn cup is used to measure ink _____. 18. _____

19. _____ inks used in flexography must maintain a critical pH. 19. _____

- a. Alcohol-based
- b. Water-based
- c. Polyamide
- d. Paste

20. Discuss the overall strengths and weaknesses of flexography as a major printing process.
