

preparation for midterm test (describe within 5 lines)  
(2) - Theory

1. Nylon 6,6, nylon 6. (Synthesis & manufacture)
2. Transparent polyamides (chemical structure)
3. Comparison between PET and PBT (structures & properties)
4. Blow molding process
5. Aromatic polyesters (structure, monomers & synthesis of aromatic copolyesters)
6. Polycarbonates (structure & properties)
7. Sulfone polymers (structure & properties)
8. Reactants in the formation of polyimides
9. The processing of imide polymers
10. Polyamide imide
11. Polyetherimide
12. Endcapping
13. PPO and MPPQ.
14. PEEK
15. Fluoro polymers (structure & properties)
16. Five typical properties of polytetrafluoroethylene (PTFE)
17. Seven major commercial fluoropolymers. (structure & a typical property)
18. Parylenes (PPX) (chemical structures and processing)
19. Transistors.
20. Resistor.
21. Printed circuit
22. Diode
23. Capacitors.
24. Integrate circuit.
25. Physical processing (Thermoplastics).
26. Vulcanization (Rubber)
27. Thermosets.
28. Temperature activated systems (thermosets)
29. Catalyst-activated systems. (thermosets)
30. Mixing-activated systems (thermosets)
31. RIM (rxn. injection molding) (polyurethane)
32. Formaldehyde systems
33. Resol and Novolac.
34. prepolymer and precursor.
35. phenoplastics
36. Aminoplastics.
37. Furan systems (synthesis from cereal waste)
38. Alkyd resin.
39. Unsaturated polyester systems.
40. Allyl systems.

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