



INTRODUCTION TO THE TECHNOLOGY OF THE THERMOPLASTIC RUBBERS

Knowledges of polymers and thermoplastics will be transmitted, associated to the elastomers, under the form of polymers of cognizable characteristics like thermoplastics, being the final product of behavior elastomer, rubber.

PROGRAM CONTENT
1) Introduction to the basic concepts of Polymers.
2) Nomenclature of Polymers.
3) Classification of the Polymers.
4) Conditions for molecular growth of polymers.
5) Factors that affect the properties of the polymers.
6) Structure and properties - definition of thermoplastic rubbers.
7) Polymers SBS.
8) Polymers SIS.
9) Polymers of polyester/polyether (Hytrel).
10) Polymers of Ethylene or TPVs.
11) Processes - Extrusion, blow, injection.
12) Composites in TRs.
13) Uses as improver of physical properties.



PROGRAM CONTENT

14) Exercises of fixation and practical problems.

15) Updating – TPUs and SEBS.

DURATION TIME

- ✓ 20 hours.

PREREQUISITE

- ✓ People with factory practice.

TARGET AUDIENCE

- ✓ Technicians, engineers and supervisors of production and product. Rubber companies that will operate in the segment thermoplastic rubbers, and most plastics companies wishing to operate in the production of parts with rubber characteristics with existing equipment.

SUPPORT

- ✓ It will be necessary to play handouts, I need overhead projector and whiteboard to teach and clarify the content.

NUMBER OF STUDENTS PER CLASS

- ✓ Maximum of 25 students.