



RESOLUTION OF PROBLEMS OF VULCANIZATION AND MOULDING

There will be transmitted knowledges of operation and resolution of problems of Vulcanization in:

- ✓ Presses
- ✓ Systems of transfer
- ✓ Systems of injection
- ✓ Extrusion
- ✓ Calenders
- ✓ Autoclaves
- ✓ Vulcanization in continuous processes
- ✓ Methods of quality evaluation of the products

PROGRAM CONTENT
1) Vulcanization - Definition, Classification, Studies of elastic module and Viscous module.
2) Use of the Manual of the formulator (Materials).
3) Moulding for compression - Calculations, Problems of pressure, temperature and time.
4) Moulding for transfer - Calculations, Problems of pressure, temperature and time.
5) Moulding for injection - Calculations, Problems of pressure, temperature and time.
6) Continuous Vulcanization, Extrusion, Problems and suggestions.
7) Vulcanization in autoclave – Problems and suggestions.



PROGRAM CONTENT

8) Study of the curve of vulcanization as assistant of resolution of problems.

9) Probable formulated corrections.

10) Simulation of Problems of injection, autoclave and injecting.

11) Processual updating.

12) Discussion of real problems.

DURATION TIME

- ✓ 20 hours.

PREREQUISITE

- ✓ People with factory practice.

TARGET AUDIENCE

- ✓ Technicians, engineers, supervisors and people with practical factory involved in the production of the compounds, production scheduling, process and product development staff.

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.