



**TechnoBiz**

**EXECUTIVE  
DIPLOMA  
360°**

# **RUBBER COMPOUND TECHNOLOGY & MANAGEMENT**

**Unique & Universal | Online Program**

*<https://diploma.technobiz.org>*

**Program Duration Options: 2, 4, 8 and 12 Months**

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# RUBBER COMPOUND TECHNOLOGY & MANAGEMENT

TechnoBiz is offering Executive Diploma 360o Program on "Rubber Compound - Technology & Management" with emphasis on all about rubber compounding. This program is designed for professionals working with rubber compounding process and business with objective of "Developing Workforce with Technical, Analytical, Management, Communication & Leadership Skills" for Rubber Compounding & Its management.. This is a Unique and a Universal Program by addressing technical and management aspects with 360o approach. Registered participants can choose length of program depending on available time on each day. The available program duration options are 2, 4, 8 and 12 months. The participants can start at any day as per their preference by choosing length of program to complete.

## 360o Approach

This diploma program focusing on

- Rubber Raw Materials
- Chemicals & Additives
- Rubber Mixing Technology
- Formulation Development
- Mixing Plant Management
- Rubber Testing & Rheology
- Best Practices & Productivity
- Research & Innovations
- Management & Leadership

## Participant Criteria

The selected participants are required to have atleast 3 years experience in rubber industry either in technical or in non-technical position.

This program is not suitable for everyone. TechnoBiz team will assess participant's qualification and relevance to this program through personal interview via online. Participants must be working currently in rubber industry.

## PROGRAM FORMAT

**Feature 1 : Presentations from International Experts** | 70+ Scheduled Modules | 20+ International Experts | Specialized Industry Topics | 100+ hrs Presentations Length

**Feature 2 : Cross Learning between Participants** | Participants are required to make 3 presentations related to their experience and expertise. Each presentation length should be minimum 30 min. Colleagues of Participants can join live sessions of these presentations.

**Feature 3: Conversation with Business Leaders** | Participants will have business conversations with invited business leaders from the rubber industry to discuss about business management aspects

**Feature 4: Discussion-Based Assessment Tests** | Participants have to complete assessment tests by teaming with two of their colleagues as a group.

**Feature 5: Project Assignment on "100++ Good Practices for Rubber Industries"** | Participants are required to make a presentation for the project "100++ Good Practices in the Rubber Industry" by having group discussions with their colleagues and customers/Suppliers

**Feature 6: Hosting "Rubber Industry Tech-Talk" series for their company team by working with Rubber Technology Suppliers** | Participants are required to host a 3-hour long "Rubber Industry Tech-Talk" by inviting specialists from Rubber Technology Suppliers as guest speakers to introduce the latest trends in rubber technology. Participant's colleagues are required to participate as the audience.

**Feature 7: Contribute 2 Articles for "Rubber Handbook"** | Participants must write 2 short articles related to experience and expertise to publish in the 'Rubber Handbook' published by TechnoBiz.

**Feature 8: Participants can join the program while working in their company** | Participants can join and complete the program while working in their organization. Time schedules are in such a way, that facilitate participation conveniently.

**Feature 9: Choose the Time Length and Start the Program as per the Participant's Preference** | Participants can design program schedules according to their preference. manner.

## Module List

Module 01 : Introduction to Non-Tyre Products Industry | Module 02 : General Purpose Rubbers | Module 03 : Special Purpose Rubbers - Part 1 (EPDM, NBR, CR, CPE, CSM, ACM, AEM) | Module 04 : Special Purpose Rubbers - Part 2 (HNBR, FKM, ECO, VMQ, FQM, PU) | Module 05 : Fillers for Rubber Reinforcement | Module 06 : Rubber Processing Additives | Module 07 : Natural Rubber : Grades & Selection | Module 08 : Rubber Mixing Technology | Module 09 : Key Ingredients of Rubber Compounds | Module 10 : Mixing of Rubber Compounds | Module 11 : Flow Properties of filled Rubber Compounds | Module 12 : Reinforcement - A Key Property of Filled Rubber Vulcanizates | Module 13 : Carbon Black - Characterization, Dispersion & Reinforcement | Module 14 : Precipitated Silica - Characterization, Dispersion & Reinforcement | Module 15 : Rubber Process Oils: Types & Selection | Module 16 : Rubber Compound Formulation: Development & Case Studies | Module 17 : Molded Rubber Products: Compound Development | Module 18 : Rubber Mixing Procedures & Sequence | Module 19 : Reverse Engineering in Compound Development | Module 20 : Hydraulic Hoses: Rubber Compound Development | Module 21 : Best Practices for Rubber Chemists in Material Development | Module 22 : Metal to Rubber Bonded Products: Compound Development | Module 23 : Rubber Reclaim Application in Non-Tyre Products | Module 24 : Rubber Curing by Sulfur: Property Design | Module 25 : Rubber Curing by Peroxide – Advantages & Limitations | Module 26 : Rheology and Rheological Effects in Rubber Compounds | Module 27 : Fill-Factor & Batch Weight of Internal Mixer | Module 28-31 : Rubber Industry Clinic - Part 1-5 | Module 33 : Rubber Testing Laboratory : Instruments & Purpose | Module 34 : Understanding the Working Principle of the Rubber Extruder | Module 35 : Impurities in Rubber Compounds - How to Handle? | Module 36 : Rubber Profile Extrusion & Vulcanization Lines | Module 37 : Thermoplastic Elastomers - Process, Properties & Recent Applications | Module 38 : Rubber Chemicals - Quality & Handling | Module 39 : Rubber Testing - Good & Bad Practices | Module 40 : Rubber Product Molding and Process Overview for the Non-Technologist | Module 41 : Rubber Compound & Process Design to Reduce Backrinding | Module 42 : Rubber Materials and Compounds Characterization by RPA | Module 43 : Blooming Problems in Rubber Products: Why? How to Avoid? | Module 44 : Design of Experiments (DoE) in Rubber Compounding | Module 45 : Use of Alternate Carbon Blacks in Rubber Compounding | Module 46 : Selection of Rubbers for meeting Heat, Ozone and Oil Resistance | Module 47 : Rubber Compound Development for Hoses | Module 48 : Rubber Rules - Vulcanization | Module 49 : Rubber Rules - Polymer Characterization | Module 50 : Rubber Rules - Rubber Flow | Module 51 : Rubber Rules - Cavity Filling | Module 52 : Rubber Rules - Response to Applied Force | Module 53 : Understanding of TPE & TPV Families | Module 54 : TPV Industry Overview | Module 55 : TPV Structure & Properties | Module 56 : TPV Processing | Module 57 : Fine Mesh Straining of Rubber Compounds | Module 58 : Micronized Rubber Powder & Applications | Module 59 : Research Trends in Rubber Science & Technology | Module 60 : Aspects of Compounding with Ground Rubber | Module 61 : EPDM Rubber Chemistry & Properties | Module 62 : EPDM Rubber Compounding | Module 63 : EPDM Rubber Processing | Module 64 : Effect of Additives in Rubber Compounding & Products Performance | Module 65 : Fluorocarbon Rubber (FKM) & PFAS REACH Restrictions | Module 66 : Silicone Elastomers : Properties & Compounding | Module 67 : Colour Matching of Rubber Compounds | Module 68 : FDA Testing of Rubber Materials | Module 69 : Rubber Mixing Technology | Module 70 : 100+ Good Practices for Rubber Industries

## Program Length / Learning Hours | Time Zone | Registration Fee

- 2-Months | 2000 US\$
- 4-Months | 3000 US\$
- 8-Months | 4000 US\$
- 12-Months | 5000 US\$

### Remarks:

- Registered participants can choose their local time zone and program length.
- VAT 7% & Bank Fee applies to the Registration Fees

## How to Apply?

- Please send detailed CV of participant to [peram.technobiz@gmail.com](mailto:peram.technobiz@gmail.com) for eligibility and online interview.
- Approved participants are required to complete the registration process at <https://diploma.technobiz.org>



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## Contact Person for Assistance

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