



TechnoBiz

**EXECUTIVE
DIPLOMA
360°**

RUBBER COMPOUNDING TECHNOLOGY & MANAGEMENT

2-Month Online Program

Next Schedule starts on 15 January 2024

Registration Link : <https://diploma.technobiz.org>

**EXECUTIVE
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360°**

RUBBER COMPOUNDING TECHNOLOGY & MANAGEMENT

TechnoBiz is offering Executive Diploma 360o Program on "Rubber Compounding - Technology & Management" as 2-Month Online Program 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.

360o Approach

2-Month Online 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
- 150+ hrs Presentations Length

Feature 2 : Cross Learning between Participants

Participants are required to make 5 presentations related to their experience and expertise.

Feature 3: Conversation with Business Leaders

Participants will have business conversation with invited business leaders from the rubber industry to discuss about business management aspects

Feature 4: Unconventional Assessments

Participants have to complete assessment tests by teaming with two of their colleagues as a group.

Feature 5: Special Session on "100+ Good Practices for Rubber Industries"

Participants are required to develop 100+ Good Practices in Rubber Industry by having group discussions with other participants as well as their colleagues & Customers/Suppliers

Feature 6: Uniqueness of Participants

Participants are from different parts of world, who are working in the rubber industry .

Feature 7 : Tech Supplier's Presentations

Suppliers of participant companies will be invited to make presentations in latest technologies and products to all colleagues.

Feature 8: Participants can join 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 the participation in convenient 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 : Rubber Industry Clinic - Part 1
- Module 29 : Rubber Industry Clinic - Part 2
- Module 30 : Rubber Industry Clinic - Part 3
- Module 31 : Rubber Industry Clinic - Part 4
- Module 32 : Rubber Industry Clinic - Part 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



Upcoming Schedules

- 15 Jan - 15 Mar 2024
- 1 Apr - 31 May 2024
- 15 Jun - 15 Aug 2024
- 1 Sept - 31 Oct 2024

Registered participants can choose any of the three time zones that is convenient to participate

- Central Europe Time
- USA Eastern Standard Time
- Thailand

Customized Schedules

- Participants can also design customized schedules to participate in this program. Additional costs apply.

Learning Hours :

- ~ 3 Hours/Day (Weekday Program) (Mon-Fri) (2pm-5pm)
- ~ 7 Hours/Day (Weekend Program) (Sat-Sun) (9am-6pm)

Remarks: Confirmed participants can choose either weekday or weekend schedule to participate in this program

Registration Fee

2024 Fee Structure

- Individual : US\$ 2,500
- Group (5-pax) : US\$ 10,000

Remark: VAT 7% & Bank Fee Applies.

How to Apply?

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

Participant Feedback

Please scan QR Code to view the feedback from current participants



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