

# Rubber Testing : Methods & Result Interpretation

## 24-25 October 2018, Savera Hotel, Chennai

This 2-Day training Program on 'Rubber Testing: Methods & Results Interpretation' is aimed for every rubber and tire industry to understand about various testing methods, how they performed and interpretation of the test results to improve overall quality control. This course is suitable for laboratory personnel to every technical team member in the rubber processing.

### Program Content

#### 1. Introduction to Rubber Testing

- Test Standards – ASTM, ISI, BIS, JIS, DIN
- Properties : Understanding & Measurement Units
- Materials to be tested
- Testing Specimen Preparation
- Repeatability & Reproducibility
- Standards vs Specifications
- Rubber Flow Behavior

#### 2. Rubber Testing Laboratory

- Basic Instruments : Purpose of Use
- Advanced Instruments : Purpose of Use
- Selection of Instruments

#### 3. Physical & Chemical Testing : Methods & Results

- Physical Testing Methods
- Chemical Testing Methods
- Test Results Interpretation
- Common Errors in Testing

#### 4. Mechanical Testing : Methods & Results

- Mechanical Testing Methods
- Test Result Interpretation
- Common Errors in Testing

#### 5. Visco-Elastic Properties Testing

- Testing Methods & Instruments
- Test Result Interpretation
- Common Errors in Testing

#### 6. Raw Material Testing Methods

- Raw Rubber – NR, SR,
- Rubber Chemicals & Additives
- Recycled Rubber

#### 7. Rubber Compound Testing

- Typical Rubber Compounds & Applications
- Properties: Methods & Measurement
- Test Results Analysis

#### 8. Tyre Testing

- Non- Destructive
- Destructive

#### 9. Reverse Engineering in Product Design

- Reverse Engineering Principles
- Testing Methods Used
- Case Studies

#### 10. Good Practices on Laboratory Management

- Calibration & Maintenance
- NABL Accreditation
- Data Management

### Trainer: Dr. Samar Bandyopadhyay

**Dr. Samar Bandyopadhyay** has completed M. Tech Degree in Plastics and Rubber Technology from University of Calcutta. Received Ph.D degree during December 2007 from Mohan Lal Sukhadia University Udaipur, Rajasthan, India. He joined HASETRI in 1992 and worked for more than 23 years. He has worked as Head (R&D) of Pidilite Industries Ltd. at Dahej, Gujarat for one and half years. Currently working as Business Head in Pukhraj Additives LLP. He is a Guest Faculty in the field of Polymer Science and Technology of University of Calcutta, Mohanlal Sukhadia University, Udaipur and Vidya Bhawan Polytechnic, Udaipur. He is the Honorary Secretary of Indian Rubber Institute (IRI) Rajasthan Branch. Participated as faculty in PGDIRI – DIRI National Level Crash Course for Rajasthan and Karnataka branch for a number of times. He is a Lead Assessor of National Accreditation Board of Testing and Calibration Laboratories (NABL) in the field of Testing and Proficiency Test Programme. He is a Fellow Member of Institute of Engineers (India) Ltd. and Indian Rubber Institute. He has in his credit 60 numbers of Technical papers and 3 book chapters.

### REGISTRATION FEE:

• Indian Delegates	: 12,000	Rs / Person
• Overseas Delegates	: 500	US\$ / Person

### REMARKS :

- GST 18% applies on registration fee.
- Payment is required with registration.
- Registration fee includes training documents, lunch and refreshments
- Early Bird Registration: 10% discount on registration received with payment before 30 August 2018
- Group Registration: 10% discount for group of 3 or more delegates from the same organization.

### REGISTRATION PROCEDURE

- Please download registration form at [www.4S-Resources.com](http://www.4S-Resources.com) and send the form to Mrs. Sirisha Matsa ([4s.customerservice@gmail.com](mailto:4s.customerservice@gmail.com))
- Performa Invoice will be issued upon receipt of registration form.

### VENUE - HOTEL SAVERA

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