




# ANKIT BAJAJ

## RUBBER TECHNOLOGIST

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## PROFILE

Passionate Rubber Technologist with over 8 years of experience specializing in banbury mixer, rubber formulation development, mixing, product development, laboratory management, testing, moulding, extrusion, metal preparation, three roll calender etc. Seeking an opportunity to utilize my knowledge, skills and abilities.

## WORK EXPERIENCE

### 2018 - Present - Assistant Manager - Mixing

May – present

#### Tega Industries Limited

- Leads and directs personnel in the manufacturing of the compounds reflecting a high degree of quality while maintaining 100% of the planned requirements to obtain customer & associate satisfaction.
- Root cause analysis in case of production & quality variance.
- Oversees shift supervisors in his respective area, and works closely with all production personnel to solve daily problems at the floor level.
- Development of mixing methods on Banbury mixer.
- Optimize resource utilization to ensure production, quality, cost & delivery targets.
- Provide a high level of technical & operational recommendations to meet safety, productivity, material goal, compound quality & cost goals.
- Assure the machine availability as per preventive maintenance plan & provide machine abnormality.
- Responsible for meeting cost objectives through scrap & defects reduction as well as control of material & labour variances.
- Do planning of compounds as per production plan on Monthly/daily basis.
- Reviewing Compound releasing parameter after testing and take necessary action if any deviation observed & Facing system audits and customer audits for system compliance.
- Continuous improvement through KAIZENS & Suggestions & To enhance the 5s, safety and look after housekeeping & hygiene.
- Manpower handling and distribution.
- To maintain and adhere to calibration & Generate various analysis reports at different stages.

### 2015 – 2017 – Technical Officer – Research & Development (Mixing)

Dec – April

#### Anand Nvh Products Private Limited

- Rubber compound design and development as per customer requirements. (Formulation design, mixing in two-roll mill, molding in hydraulic press and testing of rubber articles in various equipment viz. Mooney viscometer, MDR, UTM, Rebound resilience tester, etc.)
- Taking trials of rubber compounds and testing of same in various equipment viz. Mooney viscometer, MDR, UTM, Rebound resilience tester, etc.)
- Prepare SOP'S, PFD, work instruction, control chart and technical request for laboratory; review and update them as per decided time plan.
- Manage technical function with respect to compounds and chemicals.
- Optimization of mixing & moulding process.
- Troubleshoot the issues related to adherence of rubber with plated metal.
- Raw material development support with analytical evaluation.
- Executed reverse engineering and characterization of rubber products.

## 2013 – 2015 - Polymer Lab Analyst

June – Nov

### Spectro Analytical Labs Limited

- Carry out assignment as provided by the HOD & Laboratory system improvement project with respect to environmental, safety compliance.
- Maintain QMS records.
- Perform Failure Analysis of Polymer & Rubber components, Tensile Test , Density & S.G , Tear Test, Swelling Test , Melting point , Heat Deflection temperature HDT , Impact test ,Melt Flow Index(MFI) ,Vicat softening TemperatureVST ,Rate of Fuel permission , Low Brittleness temperature ,Ash Content, Abrasion Test, Compression Test , Heat Ageing Test , Cold Bend Test, Flammability Test , Shear Fatigue Test , Flexibility Test, , Adhesion Test, UV Exposure Test, Tensile Modulus, Resilience, Resistance To Ozone Cracking Test, Oil Resistance Test, Hardness Test, Specific Gravity, Moisture Content Test etc.
- Perform Differential scanning calorimeter (DSC) , Thermogravimetric analysis (TGA), FTIR for characterization of polymer.

## EDUCATION

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### 2018 – 2019 - Post graduation Diploma in Rubber Technology

Indian Rubber Institute / Indian Institute of Technology Kharagpur

### 2015 – 2018 - Bachelor's Degree (B. Sc) in Chemistry

Dr. BR Ambedkar university

### 2010 – 2013 - Diploma in Polymer Technology

Guru Nanak Dev Institute of Technology

### 2012 – 2013 Higher Secondary (12<sup>th</sup>)

Board Name - NIOS

### 2008 – 2009 - Secondary (10<sup>th</sup>)

Board Name - CBSE Board

## TRAININGS AND INTERSHIPS

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- Six Sigma Lean (04/2020)
- Six Sigma Green Belt Professional (10/2018 – 09/2019)
- ISO 45001:2015 Internal Auditor Certified OHSAS Internal Auditor 45001:2015 from TUV India
- Plastic Process Operation, N.C.E.R.T

## PROFESSIONAL SKILLS

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- Banbury mixer and Mixing
- Rubber formulation and compound development
- Injection moulding, Compression moulding, Three roll calender & Extrusion.
- Metal preparation

## SOFTWARE SKILLS

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- MS Office & Spreadsheets
- SAP

## OTHER SKILLS

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- Team work
- Communication skills
- Problem solving ability
- Fast learner

## INTERESTS

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