

AGNIVESH KAUSHIK

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Objective: Willing to serve an organization that would synergize my skills, experience and provide me opportunities for career advancement, learning and mutual growth towards excellence in technology and interpersonal relations.

Achievement

- Qualified All India Engineering Entrance Examination (AIEEE) in 2008.
- Secured 641 rank in Common admission test'08 (CUSAT).
- Qualified and secured All India Rank 246 in Gate'2011.

Professional synopsis

- Critical involvement in new product development.
- Part of technical services team; provide cutting edge solution to the customer for their problem.
- Part of product brochure preparation team.
- Responsible for tackle customer audit and NABL audit.
- Core member of NABL team, played pivotal role to get accreditation.
- Responsible for equipment calibration and evaluation of calibration certificate.

Technical Competency

- Dexterous of operating Rubber Testing Equipment like Universal testing machine (UTM), Dynamic mechanical analyzer (DMA), Mooney Viscometer, Oscillating disc rheometer, Rubber processing analyzer (RPA), Din abrader, Dispersion grader, Lab Banbury, Two roll mill, Lab extruder, Heat buildup instrument etc.
- Having good knowledge of carbon black manufacturing process and testing of colloidal properties of carbon black.
- Good knowledge of rubber compound formulation and manufacturing process of rubber articles by different techniques.
- Reverse engineering: Compound and rubber product analysis by help of TGA, FTIR, DSC, UTM etc.
- Knowledge of Analytical equipment like ASD (Aggregate size distribution), GC (Gas chromatography) and CHNS analyzer.
- Electrical testing of rubber sheet: Surface resistivity, volume resistivity, Breakdown voltage, proof test and capacitance.
- Having good understanding of ASTM and ISO test methods for rubber compound and carbon black.
- Established many indigenous methods in laboratory like Non dispersible matter analysis of carbon black, Puncture test and slip test for rubber electrical mat.

Training & Project

Projects:-

- Development of new carbon black for tyre treads application by physical modification in process.
- Development of new carbon black grade for optimum balance of properties for tyre treads application by surface modification or functionalization by suitable chemical.
- Development of new carbon black grade for improves aesthetics of sidewall of tyre, adopting hybrid filler technique.
- Involvement in team, responsible for development of new carbon black based on aggregate size distribution for better abrasion resistance.
- Effect of DM (Demineralized water) and RO (Reverse osmosis water) water during manufacturing of carbon black on rubber properties.
- Optimization of curing properties of rubber compound by addition of benzoic acid during production of low structure carbon black.
- Development and design of of electrical mat to meet IS 15652, ASTM D178 and IEC 61111 standard.
- Providing the dimensional stability of rubber sheet by addition of some part of electron beam irradiated NR and NBR.
- Study of different curing system in natural rubber in sixth semester B-tech.
- Industrial project at replacement of metal by fibre reinforced plastic at Sunrise industry, Vadodara.

Training:-

- Participation in Short term course on ‘Recent advances in Rubber Technology’ RART-19, Organized by rubber technology Centre, IIT Kharagpur.
- Passed awareness training on ISO 17025:2005, organized by IRMRA, Mumbai.
- Passed internal auditor training on occupational health and safety management system as per ISO 45001:2018, also covering hazard identification and risk assessment (HIRA).
- Attended training on integrated management system (ISO 9000, ISO 14000, ISO 18000 and ISO 45001:2018).
- Passed training on Failure Mode & Effects Analysis (FMEA).
- Underwent one month intensive training on rubber technology at Indian Rubber Board, Kotayam.
- Attended training on design of experiment (DOE), organized by prof. Subrata rath (Director, Indian statistical institute, pune).

Work exprience

Date	Organization	Position	Duration
July'12 to March'13	United Rubber Industry, Mumbai	Graduate Engineer Trainee	9 Months
March'13 to October'13	Innovative Tire Industry, Halol	Quality Officer	8 Months
October'13 to September'17	Zenith Industrial Rubber Product Limited, Mumbai	Quality and R&D officer	4 Years
October'17 to till now	Phillips Carbon Black Limited, Vadodara	R&D, Assistant Manager	Continue

Present(Since October'2017)

Presently working in **Phillips Carbon Black Limited** as an **Assistant Manager in Research and Development** department.

Designation : Assistant Manager

Reporting To : Deputy General Manager (R&D and Technical Services)

Job Profile :

- ✚ Literature and patent survey for obtaining new idea for development work.
- ✚ Assortment of prior art for patent writing and help to write invention disclosure form (IDF) of new developed product for submitting it to patent attorney.
- ✚ Working on development of new grade carbon black through changes in process parameter during manufacturing.
- ✚ Working on development of new carbon black grade by surface modification by chemicals.
- ✚ Resolve customer complaints, received from rubber product customer and carbon black supplied by all four PCBL's plant within given time frame.
- ✚ Full analysis of carbon black before supply to critical customer.
- ✚ Full analysis of carbon black before sample submission to any customer.
- ✚ Analysis of competitor's carbon black sample and comparison with similar grade carbon black of PCBL.
- ✚ Responsible to maintain AMC and calibration of all instruments of R&D.
- ✚ Responsible to maintain documentation of NABL audit for evaluation of carbon black in natural rubber and SBR rubber.
- ✚ Responsible to conduct internal audit as per ISO 45001:2018.
- ✚ Provide training to production associates and others department employee through technical forum program.

Previous (From October'13 to September'17)

Worked in Zenith industrial rubber product limited as R&D and quality officer.

Designation : Officer

Reporting To : Technical Head

Project : Electrical mat and modification of natural rubber by EB irradiation for dimensional stability

Job Profile :

- + Follow up in process of new trials and provide solution to production department if any difficulty occurs during trial running.
- + Testing of new trials products.
- + Handle lab activities.
- + Root cause analysis of held-up batches.
- + Testing of new incoming raw materials.
- + Responsible for maintain documents required for NABL, Also responsible to conduct internal audit.
- + Maintain documents as per requirement of different customer.
- + Critical involvement in development of new product as per customer requirement.
- + Development of new product similar as received from customer by reverse engineering.

Previous (From March'13 to October'13)

Worked in Innovative tyre and tube limited as quality officer.

Designation : Officer

Reporting To : Technical Head

Job Profile :

- + Cross-sectional analysis of tyre.
- + Follow up in process for trial.
- + Analysis of defects and rejection of tyre daily wise and maintain record of those.
- + Monitoring process parameter of tyre curing area.
- + Maintaining records for tyre mould bladder life time.
- + Testing of incoming raw materials, if required.
- + Responsible for customer audit.
- + Involve in tyre testing destructive test as well as non-destructive test.

Previous (From July'12 to March'13)

Worked in United Rubber Industry as graduate engineer trainee (GET) in mixing department.

Designation : GET

Reporting To : Mixing department head

Job Profile :

- ✚ Liable to check flow properties of master batch rubber compound.
- ✚ Responsible to monitor curing characteristics of final batch rubber compound.
- ✚ To check physical properties of rubber compounding after curing in compression mould.
- ✚ Cross verification of chemicals weight of master batch, final batch and batch weight of rubber compound.
- ✚ Follow up of the trial batch as per new developed rubber formulation and share the compound performance during mixing.

ACADEMIC CREDENTIALS

Degree / Examination	Board/ University	Institution	Percentage
B.Tech (Polymer science & rubber technology)	Cochin University of Science and Technology ,Kochi	Department of polymer science & rubber technology	62%
XII	Bihar Intermediate Council, Patna	Jagdam college, Chapra	58%
X	BSEB,PATNA	High school, kumana	61%

EXTRA CURRICULAR ACTIVITY

- Participated in International Conference on Advances in Polymer Technology APT-2008 and APT-2010.
- Managing committee member of International conference on APT'10.
- Representative of Cricket team from school level to university level.

PERSONAL DETAILS

Date of Birth: 12/08/1989
Father's name: Shrikant singh
Mother's name: Amita singh
Permanent Address: vill+post-kohra bazar,via-daudpur,dist-chapra(Bihar)
Sex: Male
Marital Status: Married
Language Known: English, Hindi

DECLARATION

I hereby declare that the above information given by me is authentic and best of my knowledge.

AGNIVESH KAUSHIK