



Rubber Formulation Chemist

The Rubber Group is the manufacturing partner of choice for those requiring outstanding expertise in engineering and material science with flexible capabilities to meet their most challenging sealing and molded rubber component needs.

We achieve best-in-class service and long-term partnerships by treating customers, suppliers, and fellow employees the way we want to be treated.

We are in search of a skilled and talented Rubber Formulation Chemist. TRG has recently partnered with River Associates, a longstanding industrial-focused private equity sponsor, and has an aggressive organic and acquisition-based growth plan.

Position Function:

We are seeking a highly skilled and experienced Rubber Formulation Chemist to join our team. As a Rubber Formulation Chemist, you will be responsible for developing and optimizing rubber compounds for various applications, ensuring the highest quality and performance standards are met. You will collaborate closely with the development team to create innovative rubber formulations that meet customer requirements and industry standards.

Responsibilities:

- Develop and optimize rubber compound formulations for a variety of high reliability applications where the consequences of product failure are significant.
- Conduct research and development activities to improve existing rubber formulations and develop new ones.
- Collaborate with cross-functional teams to understand customer requirements and translate them into rubber formulation specifications.
- Conduct lab-scale experiments and tests to evaluate the performance and physical properties of rubber compounds.



- Analyze and interpret test data and adjustment formulations or processes to optimize performance and cost.
- Stay updated with industry trends, advancements, and regulatory requirements related to rubber formulation.
- Troubleshoot and resolve formulation-related issues in collaboration with the production and quality assurance teams.
- Maintain accurate records of experiments, test results, and formulations.
- Ensure compliance with safety protocols and maintain a clean and organized laboratory environment
- Assist with customer visits to follow trials and trouble shoot their process
- Interface with customers to drive compound recipes

Requirements:

- Bachelor's degree in Chemistry, Chemical Engineering, Polymer Science, or a related field. A Master's degree or Ph.D. is preferred.
- Proven experience working as a Rubber Formulation Chemist or in a similar role.
- In-depth knowledge of rubber materials, polymer chemistry, and compounding techniques.
- Strong understanding of rubber formulation principles, including compounding ingredients, fillers, curing systems, and processing methods.
- Proficient in using laboratory equipment and analytical techniques to evaluate rubber properties, such as rheology, tensile strength, abrasion resistance, and aging characteristics.
- Familiarity with relevant industry standards and regulations governing rubber materials and formulations.



- Ability to work independently and collaboratively in a fast-paced research and development environment.
- Excellent problem-solving and analytical skills.
- Strong written and verbal communication skills.
- Attention to detail and the ability to manage multiple projects simultaneously.

Preferred Skills:

- Experience with rubber formulation software and modeling tools.
- Knowledge of statistical analysis and experimental design methodologies.
- Familiarity with quality control and quality assurance processes in rubber manufacturing.

Understanding of rubber molding, extrusion, and curing processes.

Physical Demands:

- NA (Not Applicable)
- Seldom (1-10% of the time)
- Occasional (10-30% of the time)
- Frequent (30-70% of the time)
- Constant (over 70% of the time)

Activity	Frequency	Activity	Frequency
Sitting	Frequent	Climbing ladders	Seldom
Standing	Frequent	Working at heights/balancing	NA
Walking	Frequent	Bending/twisting at waist	Occasional
Driving/Forklift	Seldom	Kneeling/Squatting/Crouching	Seldom
Lifting <25#	Occasional	Crawling	NA
Lifting 25-50#	Occasional	Reaching above shoulder	Occasional
Lifting >50#	Occasional	Repetitive hand/arm movement	Seldom
Carrying <25#	Occasional	Handling/Grasping	Frequent
Carrying 25-50#	Occasional	Fine finger manipulation	Frequent
Carrying >50#	Occasional	Seeing	Constant
Pushing/Pulling	Occasional	Hearing	Constant
Climbing stairs	Seldom	Talking	Constant



The above statements are intended to describe the general nature and level of work performed. This job description does not represent an exhaustive list of all responsibilities, duties, and skills assigned to this position. This position description is not intended as and does not create a contract of employment between the company and any individual employee. The company reserves the right to change this position description at any time within its sole discretion.

ACKNOWLEDGEMENT

I have received, reviewed, and fully understand this job description. I further understand that I am responsible for the satisfactory execution of the duties and responsibilities herein, under any and all conditions as described.

Employee's Name _____

Date _____

Employee's Signature _____

This Job description is effective June 14, 2023