

**Job Title:** Polymer Chemist

**Department:** Research and Development

**Reports To:** Chief Technology Officer

**Summary:**

Return to Vendor Co, is seeking a highly motivated and innovative Polymer Chemist to join our startup team. In this role, you will aid in the development of new polymer materials and technologies to drive our company's growth. You will work collaboratively with a small team of highly-skilled scientists and engineers to design, synthesize, and characterize novel amid polymers with specific properties tailored to our target applications. The ideal candidate will have a strong foundation in polymer chemistry, a passion for problem-solving, and a drive to make a significant impact in how clothing is recycled at scale.

**Responsibilities:**

- **Polymer Synthesis and Characterization:** Design and execute synthetic routes for novel polymers. Utilize various polymerization techniques to optimize reaction conditions. Thoroughly characterize polymer properties using techniques such as GPC, NMR, DSC, TGA, and rheology.
- **Material Development and Testing:** Collaborate with the team to formulate and evaluate polymer materials for targeted applications. Design and conduct experiments to assess material performance, including mechanical, thermal, chemical, and optical properties. Analyze and interpret data, providing recommendations for formulation improvements.
- **Problem Solving and Innovation:** Identify and troubleshoot technical challenges related to polymer synthesis, characterization, and application. Propose creative solutions and contribute to the development of new intellectual property. Stay abreast of the latest advancements in polymer science and technology.
- **Collaboration and Communication:** Work closely with a cross-functional team of scientists, engineers, and business development professionals. Communicate effectively, both verbally and in writing, to share results, present findings, and contribute to technical discussions.
- **Laboratory Management:** Maintain a clean and organized laboratory environment. Ensure compliance with safety protocols and standard operating procedures.

**Qualifications:**

- **Education:** Graduate degree in Polymer Chemistry, Materials Science, or a related field.
- **Experience:** 3-5 years of industrial experience in polymer synthesis and characterization. Familiarity with various polymerization techniques and characterization methods is essential.
- **Skills:** Strong problem-solving and analytical skills. Excellent written and verbal communication skills. Ability to work independently and collaboratively in a team-oriented environment.

- **Attributes:** Self-motivated, proactive, and passionate about polymer science. Highly organized, detail-oriented, and results-driven.

**Benefits:**

- Competitive salary and benefits package.
- Opportunity to work on cutting-edge projects with a talented team.
- Potential for significant career growth in a rapidly expanding company.
- Equity options.

If you are a creative and ambitious polymer chemist looking to make a meaningful contribution to a dynamic startup, we encourage you to apply!