

Scientist I

Responsibilities

Include but are not limited to the following:

- Expected to be the lead scientist for designated projects, to include direct sponsor communications and attendance at project team meetings and teleconferences; ability to make autonomous decisions in regard to day to day activities
- Aids in the development of high performance active particles that can be utilized in three-phase technology
- Supports the identification of technologies that contribute to supporting strategic direction and have a sustainable market impact
- Assists in scaling up material formulation to production
- Plans long-term materials development strategy
- Translates user requirements into suitable material formulations
- Mentors, trains and leads entry-level material scientists and engineers
- Manages the disposal of hazardous waste from Material Science Lab according to environmental regulations and company/departmental procedures
- Contributes to the commercialization of Intellectual Property through technical work
- Collects and manages research and development data, and creatively drives research projects through analysis of experimental results
- Keeps up-to-date on prior and current literature associated with the formulations and able to efficiently disseminate major results and findings to the team
- Develops and maintains partnerships with local universities regarding polymer science, chemistry, and sustainable materials
- Other duties as assigned

Qualifications/Education/Special Skills

- Strong, broad knowledge of polymeric materials and deep understanding of polymer structure-property relationships
- Bachelor's Degree or Master's degree with a scientific background (Chemistry, Biology, Engineering, etc.)
- 2+ years of hands-on experience with formulation development in coatings, elastomers, polymers
- Strong interpersonal skills and experience working in diverse, interdisciplinary teams.
- Experience in characterizing material systems with a variety of techniques, including microscopic techniques (i.e. X-ray scattering, electron microscopy, dynamic light scattering) and macroscopic techniques (i.e. rheometry, calorimetry, spectrophotometry).
- Capable of achieving Six Sigma Green Belt
- Proficiency in use of statistical, analytical tools