POLYMER SCIENTIST/ENGINEER
ShurTape Technologies
Hickory, North Carolina

Description:
The Polymer Scientist/Engineer will work with New Product Development (NPD) teams to study the structure and properties of pressure sensitive adhesives with the goal of developing critical information needed in the design, development and scale-up of PSA tapes and related products. In addition, the position will be responsible for developing new and related products for PSA tapes.

Duties:
- Work with NPD teams in designing pressure sensitive adhesive, backsize/release and barrier formulations and coating methods.
- Conduct research into the structure, properties and performance of pressure sensitive adhesives and their interaction with additives, tape constructions and substrates to improve product design.
- Manage new product development and research projects including establishing of goals, objectives and execution plan. Use DOE methods as required. Establish specifications for product performance, processing parameters, and raw materials in the creation of new products. Document project results in technical reports.
- Develop an understanding of Shurtape manufacturing processes to facilitate new product development. Work with Manufacturing to scale up adhesive and coating formulations.
- Lead a new product development team.
- Support of research work with strong analysis of the patent and research literature.
- Contribute to the development of intellectual property as determined by the business and product innovation strategies.
- Maintain an awareness of external product and process technology developments, including those of competitors, through external networks (academia, suppliers, customers, research institutes, etc.), literature study, and technical meetings and conferences and incorporate this information into the design and development of new products.
- Maintains a high standard of safety performance.

Requirements:
- M.S. or Ph.D. (preferred) in Polymer Engineering, Polymer Science, Polymer Chemistry.
- Applicants must be legally entitled to work in the U.S. No sponsorships.
- Experience in applied polymer science, including analytical, mechanical and rheological characterization techniques.
- Some knowledge of polymer melt processing methods, experience with rubber, polyolefins and acrylic processing, adhesive formulations, and design and compounding of multi-component blend formulations.
- Experience with PSA adhesives and polymeric coatings preferred.
- Experience with UV/E-beam curing technology a plus.
- Ability to work independently, as well as to collaborate effectively in a team.
- Excellent verbal and written communication skills, including the ability to present effectively to business, technical and operating groups.
- Working knowledge of statistics, including Design of Experiments Ability to adapt quickly to a changing environment.
- Demonstrated ability to manage multiple projects reflecting good time management skills, prioritization and a sense of urgency in carrying out project objectives.
- Strong analytical, problem solving and decision-making skills, with the ability to evaluate options and converge on a solution quickly.
- Passion for innovation and a high degree of curiosity.
- Experience leading new technology development teams a plus.

Contact:

Please visit http://www.shurtape.com/about/careers and select location to Hickory, NC. The Polymer Scientist/Engineer position will be listed among the resulting matches. Apply online.