Applications Research Scientist-00006106
Eastman Chemical Company
Akron, Ohio

Description:

Tire additives technology division is searching for an Applications Research Scientist to join the Tire Additives Center of Excellence in Akron, Ohio. The position will have responsibility for applications research and development supporting existing and developing businesses within Eastman. The successful candidate will apply his / her skills to develop and optimize materials concepts for current and novel additive technologies to improve the performance of tire compounds and applications. The position/level offered will be based on the experience and educational background of the candidate.

Responsibilities:

- Develop a deep understanding of the functional attributes of a wide range of chemicals and polymers used in tire formulation technology with especial focus on existing and developmental Eastman tire additive technologies.
- Apply theory to develop and prove hypothesis to explain experimentally observed structure-property-processing relationships for a variety of tire additives and polymers. The focus will be to relate additive molecular structure and processing to the fundamental behavior of these systems, with an ultimate goal of predicting end-use performance.
- Translate fundamental knowledge of polymer materials, fillers, and chemicals to the development of new products, applications and the identification of new market spaces.
- Lead multidisciplinary new product and application development project teams

Qualifications:

- M.S. or Ph.D. (preferred) in Polymer or Chemical Engineering, Polymer Science, Physical Chemistry, Materials Science and Engineering, or related discipline from an accredited college or university.
- More than 3 years of experience in industrial research and development on polymer applications is desired though not required. Special interest is given to job experience in the area of applying rubber science and technology to automobile tires.
- Broad knowledge of analytical techniques used in polymer, materials, and rubber science is desirable. Proven ability to develop new and novel characterization techniques is considered a plus.
- Strategic thinking ability, intellectual property generation and building university outreach experience is considered a plus.
- Broad interests and willingness to take on relatively undefined challenges, excellent problem-solving abilities, creativity and ability to work in cross-functional teams are required
- Previous industrial product development experience is preferred
- Previous project leadership in an industrial setting is preferred

Contact:

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