

General Purpose:

The primary purpose of this position is to provide technical capability to support an ongoing R&D project to design, synthesize and test new amines, blocked amines, and polymeric amine structures for use in polyurethane additive manufacturing applications. There are additional projects to scout new concepts and application areas for the business line. This will require development of new application test methods and formulations as well as exploration of chemistries to provide unique solutions in the high-density polyurethane market.

Job Description:

The successful candidate will:

- Lead technical development for new diamine and polymeric structures for use in thermosetting resin systems.
- Develop applications test methods and perform scouting work on new formulations and application spaces.
- Collaborate with other Product R&D team members for the development of new ideas, and new development products.
- Write patents, publish papers, and give presentations on new technology developments as needed.
- Assist in Managing laboratory space and equipment and assume safety responsibilities according to Evonik site safety guidelines.
- This role requires a hands-on approach and focus on lab scale development. The candidate must be comfortable working with lab synthesis equipment and supporting analytical testing. The candidate will also be required to complete initial screening testing of new molecules in Applications testing.

Skills:

- PhD in Chemistry, Material Science, Polymer Chemistry, or Chemical Engineering with preferred background in synthesis of amine functionalities and polymeric amines, or background in amine cured thermosetting resin systems
- Ability to understand current technical literature, and patents in the relevant fields of synthetic and Polymer chemistry
- Excellent communication skills (both written and verbal). Strong Team Player; must be able to work within multifunctional teams; ability to give technical presentations, write patents and scientific papers.