



TITLE:	Scientist
DEPARTMENT:	Technology
LOCATION:	
REPORTS TO:	Sudhakar Jaganathan
FLSA STATUS:	Exempt
DATE:	02/18/2019

SUMMARY:

Participates in research and development activities linked to new product development initiatives using established mathematical and scientific techniques.

ESSENTIAL FUNCTIONS AND RESPONSIBILITIES:

- Lead product or process development projects.
 - Work directly with customers and Division Sales & Marketing to develop new products for existing markets identified by the division.
 - Develop expertise in appropriate materials technology, as necessary to plan, execute and evaluate laboratory and machine-based trial programs, using the Design of Experiments methodology.
 - Use appropriate DFSS/DFM tools and InnoHVision stage gating process for development projects.
 - Work with manufacturing, purchasing and technology on Margin Improvement Initiatives (MIPs).
 - Benchmark competitor grades and technologies.
 - Patent novel inventions.
- Interface internally and externally.
 - Develop introductory relationships with customers and vendors.
 - Provide technical guidance to management, divisions, customers and manufacturing on new and modified product development efforts.
 - Communicate plans and results effectively.
 - Influence scientists and managers at multiple locations.
 - Provide technical reports and presentations to internal and external project stakeholders, including contributions to Atrium knowledge management system.
- Understand the relevant end use application.
 - Assist Division Sales and Marketing with technical service in the selection of existing grades capable of meeting stated technical and processing requirements.
 - Keep abreast of relevant industry, applications and materials technology trends through literature, seminars and market contact.



- Be knowledgeable about test methods used to determine physical characteristics of the material as well as its performance in the end use application.

EDUCATION AND EXPERIENCE:

- BS degree in Chemistry, Chemical Engineering, or Materials Science plus three years relevant work experience *OR* MS degree in Chemistry, Chemical Engineering, or Materials Science plus two years relevant work experience *OR* Ph.D. in Chemistry, Chemical Engineering, or Materials Science.
- Strong leadership, project management, time management and communication skills.
- Six Sigma Green Belt preferred.
- Effective team participant in product or process development programs.
- Basic knowledge of how to run a patent search for education, FTO or prior art purposes.

PHYSICAL REQUIREMENTS AND ENVIRONMENT:

- Potential musculoskeletal stresses from repetitive motion of arms/hands, standing for prolonged periods, performing frequent bending and twisting motions, lifting of light weight objects.
- Steady hands and dexterity to perform tasks repeatedly and accurately.
- Perform tasks that require constant state of alertness.
- Work performed in laboratory environment with potential exposure to hazardous materials.
- Work performed in production area with potential exposure to large equipment/machinery and loud noises.

APPROVALS:

Department Manager: Sudhakar Jaganathan
Technology Manager

CONTACT:

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