



America's premier innovator, designer and manufacturer of high-performance wire and cable with a 60-year history of providing solutions to the toughest problems in the world's most extreme environments. We excel at developing customized products, utilizing our cross-linked irradiation technology, that meet power, signal, and data transmission needs—no matter how demanding the challenge—while exceeding standards for quality, durability and safety.

MATERIAL SCIENTIST

Position Summary/Objective

The Material Scientist has responsibility to assist in the maintenance and modification of existing materials, design, and development of new compounds, developing unique cable designs, cable extrusion processes, support Marketing & Sales with technical data, training, and reports as well as other duties assigned by the VP of Technology & Development.

Essential Functions

- Act as a polymer and cable design expert companywide to support the needs of the company staff.
- Work with Marketing & Sales and Operations to identify, develop, and commercialize new technology platforms (cable designs, materials, and processes for improved / new products) that will have a significant impact on the business and retain technology leadership.
- Make strategic recommendations for the design of materials that meet the cost and processing requirements.
- Complete assigned project in a timely manner and utilize project management system.
- Manages large development projects effectively to meet project timeline and cost goals.
- Develop project plans, documentation to support decision making with accompanying testing plans and data.
- Schedule / prioritize projects in the manufacturing environment to provide for the timely completion of projects.
- Keep proper documentation for projects and troubleshooting solutions.
- Communicate with appropriate external personnel to gain customer and regulatory approvals.
- Assists in the scale up of programs to transition materials introduced into the organization to commercialization.
- Train personnel in the use of laboratory equipment and regular troubleshooting as well as new technologies.
- Assist Sales and marketing in day-to-day technical queries in customer related inquiries.
- Supports Marketing and Sales with samples, technical data, written reports, and presentations.
- Provide processing / compounding support to Operations, Sales & Marketing.
- Evaluate and purchase materials, equipment and tooling for cable manufacturing and testing.
- Analyze/test CCC and Competitors' products to specifications and standards.
- Define and recommend alternate additives and materials to enhance properties of existing material.
- Streamline methodology to understand the impact of additives to the main compound mixes.
- Stay abreast of technology needs and developments through customer visits, attending industrial organizations' conferences, and collaboration with industrial organizations.
- Represent CCC on industrial technical committees for continued technical market leadership.
- Manage CCC's intellectual property and trademark activities to differentiate the company from the competitors.
- Work as part of a team to implement positive change in the business.

Competencies

Equal Opportunity Employer

- Polymer and additive expertise.
- Test and processing equipment proficiency and the daily use of laboratory equipment including extrusion.
- Safety oriented with equipment and chemicals.
- Technical/Problem solving/Analysis.
- Collaboration – foster a collaborative environment within department and across the organization to speed time-to-market.
- Communications / Presentation skills
- Customer/Client focus
- Judgement
- Project Management skills to define project scope and deliverables in concert with Sales & Marketing, Engineering, Operations and Quality teams.
- Working knowledge of the feasibility and design review process
- Ability to prioritize in an environment with numerous inputs.

Supervisory Responsibility

This position has no supervisory responsibilities.

Physical Demands

- Must be able to lift and/or move up to 50 pounds at times.

Position Type and Expected Hours of Work

This is a full-time position, Monday through Friday. Occasional evening and weekend work may be required as job duties demand.

Travel

Travel required.

Education and Experience:

- This position is considered to be “a polymer and cable technology expert” and requires a 4-year degree plus 6+ years relevant experience or equivalent.
- General computer skills and use of Microsoft Office suite of products.