

Product Development Technician

Company Overview:

Mearthane Products Corporation (MPC) is a privately-owned global technology leader in the development and manufacture of advanced polyurethane components, headquartered in W. Cranston, RI, with additional facilities in E. Cranston, RI, Woonsocket, RI, and Winchester, VA. MPC was founded in 1965 in Rhode Island, and has continuously operated since that time. Building on over 50 years of experience, MPC partners with customers to develop innovative solutions to their most difficult manufacturing challenges. We offer a collaborative and team-oriented work environment and an opportunity to develop your skills and career in a dynamic setting.

Job Summary and Responsibilities:

The Product Development Technician's overall responsibility includes the scheduling, preparation, delivery, and documentation of rapid prototype sampling in the product development process. The candidate will work closely with production and quality staff to prepare samples and develop manufacturing procedures and quality standards. The Product Development Technician will be responsible for documenting processes and providing feedback and ideas to improve sample/product manufacturability and processability and will be responsible for executing scale-up activities to production. The Product Development Technician must have a focus in quality to ensure the highest level of customer satisfaction and will be required to test physical properties and evaluate the visual appearance of samples. This position will include both lab-scale and production-scale sample preparation.

Required Competencies:

Occupational Competencies

- **Handle chemicals:** Knowledge of safely handle industrial chemicals; use them efficiently and ensure that no harm is done to the environment.
- **Mix chemicals:** Familiarity with mix chemical substances safely according to recipe, using the proper dosages.
- **Perform Chemical Testing:** Familiarity with perform chemical experiments with the aim of testing various products and substances in order to draw conclusions in terms of product viability and replicability.
- **Documentation:** Write and present results and conclusions in a clear and intelligible way that provides feedback in the sample creation and scale-up processes.
- **Chemical products:** Experience with the offered chemical products, their functionalities, properties and legal and regulatory requirements.
- **Apply safety procedures in laboratory:** Experience with make sure that laboratory equipment is used in a safe manner and the handling of samples and specimens is correct. Work to ensure the validity of results obtained in research.
- **Maintain laboratory equipment:** Knowledge of clean laboratory glassware and other equipment after use and it for damage or corrosion in order to ensure its proper functioning.

Foundational Competencies

- **Science:** Using scientific rules and methods to solve problems.

- **Critical Thinking:** Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.
- **Reading Comprehension:** Understanding written sentences and paragraphs in work-related documents.
- **Active Listening:** Ability to work closely and communicate with peers and management in Supply Chain, Product Development, Marketing, Sales, Engineering, Operations and Finance.
- **Writing:** Communicating effectively in writing. Compile and interpret results of tests and analyses. Ability to document Standard Operating Procedures.

Preferred Competencies:

Occupational Competencies

- **Chemistry:** A basic knowledge of chemistry and chemical reactions. The ability to learn the composition, structure, and properties of substances and the processes and transformations that they undergo; the uses of different chemicals and their interactions, production techniques, risk factors, and disposal methods.

Job Details:

- The role is based in MPC's W. Cranston, RI facility
- MPC offers:
 - Competitive pay
 - Health and dental benefits via Blue Cross Blue Shield
 - Flexible Spending Account (FSA) for out-of-pocket healthcare expenses
 - 401K retirement plan with company match
 - Company-paid term life insurance
 - Interactive performance/development plan and review process
 - Collaborative environment with direct access to leadership team and all aspects of company operations