
JOB DESCRIPTION

Job Title: Product Development Engineer (Polyurethane Foam)
Location: Farmington Hills, MI

Summary

Our client is Autoneum. They are a global technology leader in acoustic and thermal management solutions for motor vehicles. The company is a partner for the major light vehicle and heavy truck manufactures around the world. Autoneum provides innovative and cost effective solutions for noise reduction and thermal management to increase vehicle comfort and value.

The Product Development Engineer is responsible for coordination of the launch of new technologies, products, materials, and manufacturing equipment with significant input in the development of manufacturing processes, tooling and materials as applicable to polyurethane products. This position is also responsible for providing development engineering support to production products, quality improvements, efficiency improvements and cost reductions. This position will serve as the “Go To” for all product development activity related to polyurethane products and will work closely with the cross-functional team to ensure readiness for production.

Essential Duties and Responsibilities

- Lead the successful transition of some of the newly developed product technology from the R&T group based in Winterthur, to North American regionalized development activities by developing detailed product specifications (BOM, Raw Material Specifications, TDS, etc.), supporting regionalized material sourcing selection and by coordinating trials to insure the successful implementation of new technologies in our manufacturing facilities.
- Lead multiple product cost optimization projects from inception to production, which involves project planning including project costs, resources and timing commitments, validation testing planning, data analysis, material coordination, plant trials, data summary and reporting.
- Assure systems are in place to provide input to product engineering to optimize manufacturing feasibility through design review participation in early phases of projects and by taking part in DFMEAs and PMEAs.
- Work to develop concurrence between Manufacturing, Tooling, Purchasing, Program Management and our manufacturing facilities on current or new processes, work cell improvements, and tooling construction.
- Support the complete industrialization of all processes at the plant level by completing the PDCA cycle through launch.
- Develop data driven product analysis to determine root cause of issues and development of corrective actions.
- Ensure that the specified materials from the product point of view are compatible with the desired processing methods.

- Specify process parameters and functionality of manufacturing equipment.
- Support all program launch activities to insure products developed deliver expected output on time and on budget while exceeding program expectations
- Support tooling development and with significant input in tooling execution.
- Developing, evaluating, and improving material constructions for assigned products and processes.
- Inter-departmental interface and technical contact between Autoneum and vendors.
- Support the new business acquisition process to ensure product manufacturability and appropriate functional performance of the end product.
- Conduct benchtop/lab development to prove out product concepts before requesting plant resources to conduct trials.
- Lead as necessary and coordinate with plant engineering personnel to conduct necessary product development trials.
- Work in conjunction with purchasing to develop technical reliable and long term oriented possible sources of raw material/products wherever possible in order to continuously provide Autoneum with some leverage during the courses of the projects.
- Coordinate testing and prepare samples and test requests as needed.
- Develop and maintain product specifications and material part numbers to include purchasing specifications in PLM.

Education / Experience

- Bachelor of Science in Engineering or related experience;
- Minimum of 5 years previous experience in manufacturing, product development and/or systems engineering;
- Strong communications and interpersonal skills;
- Works well with others in an integrated team environment;
- Self-motivated and a problem solver

There is no relocation assistance associated with this position. NO RECRUITERS PLEASE. If you meet all of the qualifications listed above, please send your resume w/ cover letter (include the position you are applying for) to: LM@thegreenenterprises.com

The primary purpose of this job description is to summarize the key/essential duties. Other duties may be assigned.

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The qualifications and physical demands described are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.