

**BYK USA, Inc.**

**Position Description**

**TITLE: Technical Service Scientist – Thermoplastic Enduse**

**DEPARTMENT: Competence Center Transportation**

**REPORTS TO: Lab Manager NAFTA**

**LOCATION: Earth City, MO**

**F.L.S.A. DESIGNATION: Exempt**

**SUMMARY:**

This person performs independent functions to provide all necessary services to the Thermoplastic Enduse area of the Plastics Laboratory.

***DUTIES:***

- Organize and perform thermoplastic technical service experiments and projects in Transportation end use areas as directed by the Laboratory Manager, Enduse Manager, Marketing Manager.
- Interface with laboratory technologist(s) on evaluations, processing, problem solving.
- Technical presentations to BYK staff members as well as distributors.
- Must be willing to travel no more than twelve times per year to customer locations (one or two day trips) and present PowerPoint presentations to customers.
- Must be willing to travel to Wesel, Germany for two-to-three week training. Must also be willing to travel to one sales meeting per year (three to four days).
- Assist and attend seminars, shows, technical conferences and industry associations as required by Lab Manager, Market Manager, and/or Enduse Manager (approximately 3-6 days per year).
- Occasionally work on-site at customer's lab as required by Laboratory Manager, Market Manager, Enduse Manager.
- Assist Laboratory Manager in preparation of laboratory projects and related work activities.
- Interface with laboratory staff at BYK-Chemie GmbH in Wesel, Germany on processes, problem solving, and new products.
- Draft reports of technical service experiments performed.

- Order and maintain stock of needed raw Material.
- Prepare demonstration material for use by our sales staff as directed by Laboratory Manager and/or Market Manager for Thermoplastic.
- Reply to customer technical inquiries received by telephone.
- Evaluation of competitive additive products as agreed upon by Laboratory Manager.
- Handle hazardous waste according to procedure.
- Follow emergency response procedures.

**QUALIFICATIONS:**

- Knowledge relating to additives used in thermoplastic applications.
- Understanding the formulation ingredients and the processing of thermoplastics compounds of resins such as polyolefin, polyamide, elastomer, and engineering resins.
- Knowledge and experience in the operation of laboratory equipment applicable to the thermoplastic compounding process. Therefore, injection molding, extrusion, internal mixer, two roll milling, and compression experience is a prerequisite.
- Knowledge and experience in evaluation of thermoplastic composites. Therefore, mechanical, HDT, impact tester, and rheometer experience is a prerequisite.
- Additional knowledge of thermoset composite resins (e.g. epoxy, vinyl ester, unsaturated polyester) and thermoplastic PVC applications is a definite plus to long-term professional growth within the company.
- Understanding the safety considerations with concern to the processing equipment and labeling procedures of chemicals in the laboratory.
- Basic knowledge of physical and health hazards associated with some of the formulation components (e.g. pigments, powdered materials, etc.)
- Knowledge of computer programs necessary for generating reports and presentations (e.g. Microsoft Word, PowerPoint, Excel, etc.)

**SKILLS:**

- Problem solving skills on a mechanical and materials level is critical.
- Ability to speak and understand the “language” used in the thermoplastic market (including processing equipment) increasing communication to understand the customer’s needs and capitalize on opportunities.
- Ability to develop presentations and present them in a professional and interesting way at sales meetings or in front of customers.
- Common sense awareness of safety and quality in the lab and in the company.
- Customer service skills for both written (literature) and telecommunication to relate and serve the customer.

***ATTITUDE:***

- Must be team oriented and be able to interface positively and supportively with other members of the laboratory staff.
- Eager to bring a technical service experiment or project to completion.
- Flexibility and Multitasking – Must able to manage multiple projects at one time, while setting priorities.
- Maintains good technical contact with Lab Manager, Market Manager, Sales Staff, Distributors, and Customers.
- Must be a self-starter and initiate experiments and projects with a minimum of supervision.

***EDUCATIONS and/or EXPERIENCES:***

- Bachelor, Master, or PhD degree preferred in Chemistry, Chemical Engineering, Plastics Engineering, or related field and preferably 3 to 5 years of practical experience in a lab or production setting.