

# **GKN DRIVELINE MI**

## **Position Title: Materials Specialist - Tribology and Non Metallic Materials Engineering**

Job Order ID #: CT0001437

- Company:
- Status: Full Time, Employee
- Relevant Work Experience:
- Education Level: Bachelor's Degree
- Location: US-MI-Auburn Hills
- Level:
- Job Category: Materials

Role Purpose, Key Responsibilities and Experiences

### **Role Purpose:**

Conduct and provide Grease, Tribology and Non-metallic Materials services for product development, product selection and application support. Lead regional materials initiatives across North, Central and South Americas. Participate in global initiatives for the development, evaluation and selection of non-metallic materials and lubricants.

### **Key Responsibilities:**

- Perform defect testing, product testing and communicate results in support of Quality initiatives, VA/VE, Supplier Changes, Process Changes etc.
- Verify material properties for rubber and plastic sealing systems.
- Verify Material properties of lubricants and greases
- Independently evaluate results obtained by suppliers and other GKN sites.
- Provide guidance to account teams on the compatibility with greases and non-metallic parts.
- Provide support to SQA, Purchasing and Manufacturing facilities on supplier selection, quality and product oversight.
- Evaluate non-metallic material related field performance feedback concerns in support of established group.
- Review and make recommendations for IMDS (International Material Data System) requirements to automotive customers
- Communicate complex materials and Tribology phenomena with laypersons within GKN and at the customer.
- Generate and publish materials related reports into established templates.
- Manage daily workload of a functioning laboratory including prioritization and work flow.
- Review MSDS for incoming materials, advise admissibility and recommend alternatives.
- Maintain standards for greases, rubbers, and thermoplastic elastomers.

### **Required Experiences:**

- Automotive materials or lubricants technology environment.

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