



Example of Materials Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of materials engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for materials engineer

- Create Cost Reduction ideas ,Manage, evaluate feasibility, Conduct testing, and Direct Manufacturing till Implementation of the concept
- Communicate with counterparts in Japan and Mexico and local Design groups
- Strong Cross functional ability to work with all Departments
- Conduct Material Qualifications and Facility Audits
- Establish test plans, perform or direct testing using in-house or out-sourced resources, write technical reports to communicate the progress or evaluation judgment
- Identify and define problems, collect data and draw valid conclusions
- Research US local material technologies and create new product specification
- Plan, organize, and coordinate technical research and development for programmatic activities
- Work independently, with limited direction, to provide engineering solutions in areas such as materials development, materials processing, and materials characterization to resolve process problems and improve or optimize materials
- Disseminate results, including methods developed, and keep current on materials development/characterization methods

Qualifications for materials engineer

aluminum extrusions (6xxx), and their relevant manufacturing processes

- Familiarity with competing non-metals, such as composites
- Ability to characterize materials and create “material cards” for use in dynamic crash simulations stamping feasibility simulations
- Master or PhD degree, preferably Masters, in Polymer or Materials Science and Engineering, Polymer Chemistry, Chemical Engineering or other related field or an equivalent combination of education and experience
- 5 or more years of related experience preferably in the medical device industry focused on the processing and qualification of polymer resins, lubricants, adhesives, and other related materials
- Preferably specific experience in material process engineering