

Title Films Product Optimization Engineer/Scientist

Location : Minneapolis, MN

Salary Range: \$70,000- \$90,000 plus a 10% bonus

Degree: Chemical Engineer, Polymer Engineer, Materials Engineer, Polymer Chemist

Desired Experience

- Minimum of 3 years' experience in film development, or process engineering
- Experience working with coex blown and/or cast film equipment and product development.
- Willingness to travel 30%

Position description:

This engineer/scientist drives cost reduction and alternate material/formulation activities for both new and existing programs. Responsibilities include solution development, feasibility assessment, prototype development and assessment, manufacturing scale up, and commercialization. Will work closely with other development engineers, product management, operations, management team and purchasing to create projects and take them thru to completion with technically strong solutions.

Primary Job Functions

As a member of the product development group, the product optimization engineer/scientist will have the following primary responsibilities:

- Design and development alternate resins, reclaim strategies, or alternate formulations for products targeted as cost reduction.
- Support current business through product and process improvement programs.
- Key product steward for reclaim levels in commercial films.
- Extensive interaction with PD group to understand performance requirements and limits of products. Must define those requirements

using key physical properties, visual standards, and performance characteristics.

- Provide technical support to PD team through specification testing, product qualifications and recommendations driven at cost out.
- Broad use of polymer science and engineering principles to recommend alternate resins, solve product and production challenges.
- Design and conduct experiments to validate product performance.
- Interact with manufacturing personnel to optimize product design for ease of manufacturing
- Prepare and submit BOMs, technical documents and descriptions to the commercial team to be utilized for product recommendations and to generate costing/price models.
- Interact with purchasing to understand resin pricing and target vendors or resins that are advantageous to our company.
- Provide support to plants and PD group for resin changes driven by resin change or purchasing strategies.
- Other responsibilities as assigned.
- Requires and solid understanding of resins used in all forms of film extrusion and the film extrusion equipment used to create coex film products.
- Requires supplier interaction with technical support to stay current with new and existing polymer systems, market films, processing and converting equipment, physical property testing techniques, and packaging equipment.
- Ability to manage multiple projects, including planning, time lines, weekly communication, and key project updates. Comfortable with managing changing priorities
- Ability to effectively communicate/present findings to a wide variety of audiences
- Knowledge and use of Six Sigma tools for analyzing data