

# David M. Thomas

1074 Kevin Dr

Akron, Ohio 44313

Dthomas134801@yahoo.com

Cell: (330) 312-2546

[www.linkedin.com/in/david-thomas-38b59a82/](http://www.linkedin.com/in/david-thomas-38b59a82/)

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## OBJECTIVE

Currently seeking Product, Program, Project, Process, Sales or Materials Management positions where I can utilize the combination of my Technical and Business skills to help achieve company goals. Experienced Development, Program and Project Engineer who can coordinate compounding and manufacturing production requirements to improve and create new high level customer products. Knowledgeable of Polymer, Rubber and Plastic materials and statistical control processes.

## EDUCATION

The University of Akron-Akron, Ohio

Jan 2007 - May 2011

**Bachelor of Science in Chemical Engineering w/specialization in Biotechnology**

University of Akron Honor's Society / University of Akron Distinguished Student

## EXPERIENCE

### **The Goodyear Tire & Rubber Company – Akron, Ohio**

Department: Compound & Reinforcement Development

Development Engineer/Compounder

Jan 2009 – April 2018

- Technically released several new products including new retread rubber technology (Multi component cushion).
- Developed water-based cement for retread applications outsourced the design of retread water base cement spray equipment. Approved all aspects of the material and process. This was a key factor for streamlining the process, cost savings and securing environmental initiatives.
- Department Management Rep for ISO compliance in charge of handling all ISO related concerns for my department which includes commercial tire (semi, aircraft, off the road), and passenger tire compounding.
- Performing design of experiments and lab studies to develop new and improved compounds.
- Working alongside government compliance to remove and replace eliminated materials from rubber compounds.
- Combining technical and business acumen to identify potential customer needs and increase sales
- Monitoring compound properties using statistical software
- Maintaining communication with engineers from over 20 production facilities worldwide to standardize materials based on cost, region, and availability.
- Traveling to various Goodyear facilities and third-party mixers to ensure product quality.
- Approving third party compound mixers by testing product and ensuring compliance with Goodyear's Quality Assurance Policies.
- Communicating with Goodyear facilities to troubleshoot issues associated with out of spec materials, material shortages, and customer complaints.
- Performing internal & competitor benchmarking studies.
- Able to identify alternative recipes and alter them until the lab properties of the new material matched the old material.

## Owens Corning: Cultured Stone - Navarre, Ohio

### Production Specialist

Mar 2002 – Apr 2007

- Five years' experience in a safety conscious industrial setting.
- Manufacturing veneer stone under quality control specifications.
- Inventory control using SAP and global link programs.
- Responsible for mixing color batches specific for a daily output of over 10,000 square feet of veneer stone.
- Testing various properties of raw materials including viscosity, slump, and cure time.

### **Materials List:**

Carbon black, silica, couplers, dyes, naphtenic oils, paraffinic oils, aromatic oils, silica carrier oils, various vegetable oils, various waxes, melamine resins, hexamethylenetetrm resins, tackifying resins, reinforcing resins, silanes, peptizers, various accelerators (catalysts), and pre-vulcanization inhibitors.

Poly butadiene (PBD), solution styrene-butadiene (S-SBR), emulsified styrene-butadiene (E-SBR), various grades of natural rubber from ribbed smoked sheets to TSR20, synthetic poly-isoprene (IR), isoprene-butadiene (IBR), styrene-isoprene-butadiene (SIBR), butyl rubber, devulcanized reclaim rubber.

Solvent based rubber cements, and water based rubber cements. Low silica clay and ground recycled rubber fillers.

### **Skills, Software & Training:**

**Project Management Training:** Best Practices for Risk Management, EPM - Project Owner Training, Knowledge Management Training 1 & 2, Planning Scheduling and Controlling Projects, Project Management Advantage, Project Management and Teamwork courses 1, 2, 3, & 4., Project Site EPM Training, Project Sponsoring - Culture Behaviors, Tools and Techniques of Project Management.

**ISO Training:** BPS\_Business Process System\_ISO/TS - Internal Auditor Training, Intro to GY Business Process System - ISO/TS 16949:2009, ISO / TS 16949 auditor trained, Understanding the Requirements of IATF 16949:2016 Automotive Quality Management System

**Software:** Microsoft: Word, Excel, MS Project Power Point. Outlook, Lotus Notes, JMP: JMP - Design and Analysis of Experiments, Core JMP ANOVA and Regression, JMP - Statistical Data Exploration, ChemCAD, MATLAB, Polymath, SAP.

**Safety Training:** Asbestos Awareness, Behavioral Based Safety Training, Bloodborne Pathogen Awareness, Carcinogens, Chemical Handling: General Principles, Electrical Safety, Ergonomics in the Workplace, Hazard Communication, Hazardous Waste Handling, Knife Safety, Laboratory Standard – OSHA, LASER Safety – Awareness, Lockout Tagout: Affected Associates, Toxic Substance Control Act, Travel Safety.

**Corporate & Government Communication Training:** Anti-bribery, Business Ethics, Conflict of Interest, Crucial Accountability, Crucial Conversations, Data & Privacy, Effective Presentations, Global Cyber Security, Insider Trading, Lean 101, Legal Training & Brand Protection, Patent Awareness, Records Do Matter, Tire Related Government Regulatory & Industry Governing Bodies and Associated Regulations & Standards - Core Level, Tire Related Industry Governing Bodies & Associated Standards.

**Technical Training:** Competitive Intelligence Fundamentals, Eastman Compounder Training Course, Flexys Compounder Training Course, Heavy Truck Dynamics, Rheology of Polymers, Structure & Analysis of Tires 1 & 2, Tire Field Performance Monitoring and Support, Tire Performance Properties Fundamentals.

**Corporate/Community Events:** STEM panel member (2014) & guest lecturer (2013) at Stark State College of Technology. Volunteer for Goodyear Tire Career Faire (2013 & 2014). Team Leader for Corporate United Way Challenge Event (2014). New Hire Picnic Coordinator (2010). Volunteer for Firestone High School Science Olympia (2017). Judge for University of Akron Science Olympia (2017)