

R&D Chemist (Polymer Synthesis)

Behr is looking for an experienced polymer chemist to join our Polymer Synthesis Lab. As a member of Behr's Polymer Synthesis Team, you will help synthesize and implement latex polymers into Behr's industry-leading paint products. You will play a key part in developing new polymer materials to enable the product design team towards the vision of Behr's current paints and new product development. The position requires a hands-on can-do attitude and a passion for exploring all aspects of polymer material science. Come work at the cutting edge of architectural coatings.

Key Qualifications

- Ph. D. in polymer science or related field.
- MS in chemistry, chemical engineering, or material science with 3+ years' experience in the emulsion polymerization industry.
- Extensive experience in polymer design and synthetic processes.
- Experience with structural and analytical characterization techniques for polymeric materials.
- A master of translating polymer structure to material properties.
- A master of problem solving, including root cause analysis and Design of Experiment (DOE) application. Ability to break down complex problems into actionable next steps.
- General knowledge of coatings and applications, especially architectural.
- Excellent written and oral communication skills are necessary.

Description

Serve as Behr's internal latex polymer material expert by employing a thorough understanding of the chemistry and properties of polymer materials and additives. Lead the development of new latex polymer materials to meet the performance requirements of a wide range of product designs. Acquire technical contacts and network with industry experts to discover new technologies, which could be applied to Behr paint products for performance improvement and differentiation. Proficient with DOE or similar techniques for polymer design, raw materials selection, and performance optimization. Collaborate with Behr paint formulation chemists and manufacturing teams on material selection and performance optimization and trouble shooting.

Work with internal/external laboratories to create polymer material characterization data to support resin design and application. Leverage expertise in analytical test methods to understand root cause and develop corrective actions. Visit suppliers and contractors to fully understand their capabilities, quality requirements and resolve difficult material-related issues.

Support Behr's collaborative relationships with suppliers in order to meet material needs anticipated in future Behr product development.

Education & Experience

Ph. D in polymer chemistry or MS in chemistry with 3+ years' experience in emulsion polymerization industry. Behr currently does not sponsor applicants without a work permit.

Contact

Send your resume directly to Dr. Jake Li, Behr Paint Company, jli@behr.com