

## Open Position R&D Scientist

Holland Colours is a leading manufacturer of pigment and additive dispersions for the plastics industry has an opening for a R&D Scientist for our Richmond, IN location.

### Major Responsibilities

- Apply their knowledge of chemistry, polymer physics, and polymer processing to optimize color/additive concentrate formulations for Holland Colours' current markets and develop new markets in the plastics industry through product innovations
- Screen and develop pigment/dye carrier systems for color concentrate materials having a high compatibility with selected thermoplastics, especially polyolefins (PE, PP)
- Independently design and perform experiments to evaluate color dispersion and rheological performance of color/additive concentrates in various polymer systems. Independently analyze and interpret results to drive decision-making
- Interface with Production to evaluate the manufacturability of experimental materials
- Lead in root cause and corrective action investigations for technical customer issues as business needs arise
- Communicate with cross-functional departments (Business Development, Sales & Marketing, and Production) to share discoveries, propose solutions, and adapt the experimental approach to solve problems
- Occasional travel required, may be international (< 10%)

### Qualifications

- BS or MS degree in Polymer/Material Science, or Chemistry, or Mechanical/Chemical Engineering, or related field
- 3 to 5+ years plus of direct, relevant experience in the chemicals or plastics industry
- Possess a minimum of 3-5 years of hands-on experience in the operation of typical laboratory techniques used in the plastics industry, including but not limited to:
  - a) Mechanical/Processing techniques: Brabender batch mixer, 2-roll mill, single-screw/twin-screw extruder, injection molder, blow molder, compression molder
  - b) Chemical/Physical characterization techniques: rotational rheometry, DSC, TGA, FTIR, UV-Vis-NIR, color spectrophotometer, particle size analyzer
- Ability to apply concepts of polymer science and rheology to predict and characterize performance and processing factors. Experience developing or utilizing predictive mathematical models desired.
- Hands-on experience in the rheological characterization of polymers and polymer processing techniques
- In-depth knowledge of polyolefins structure-property relationships required
- Technical and industry knowledge of various other polymers and blends/variants that are important to Holland Colours' markets: PE, PP, PVC, PET, ASA, ABS, and silicones/elastomers.
- Experience with Microsoft Office Applications (Word, Excel, PowerPoint)
- Must be authorized to work in the United States.

Holland Colours is an equal opportunity employer offering competitive salaries and benefits. Please send resume and salary history to:

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