

JANEE MCNEIL

SKILLS DETAIL

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 (703) 895-4330

Product Development

- Supported development of Expo Ink Indicator markers and graffiti resistant commercial waste containers.
- Developed product performance standards and test methods.
- Prepared engineering test reports.

Materials Expertise

- Proficient in materials characterization and failure analysis techniques: FTIR, DSC, MFI, Rheometry, optical microscopy.
- Qualified new polymer resins, functional additives, and powder coatings for a variety of consumer products.

Communication

- Organized and led weekly cross-functional project team meetings.
- Served as liaison for manufacturing facilities, external partners, and corporate teams.
- Created a centralized, streamlined vendor performance analysis tool for major U.S. plants.
- Orchestrated emergency resin qualification efforts post- Hurricane Harvey.

Process Engineering

- Used statistical process control and six sigma best practices to define process limits and quality standards for recycled resin.
- Conducted DOEs to troubleshoot manufacturing issues (colorant dispersion, parts breaking out of mold, etc.)
- Conducted Gage R&R study to assess reliability of raw material testing across major U.S. plants and at materials lab.
- Led process improvement efforts to optimize strength:weight in parts.