

# DuPont™ Nomex®

NOMEX® BRAND PAPER HELPS DARBY ELECTRIC  
COMPANY EXCEED CUSTOMER EXPECTATIONS EVERY DAY.



**RELIABLE PRODUCTS PROVIDE SOLUTIONS.**

**Quality. Long-Term Value. Innovation.**

It was the late 1940s, and Barney D. Darby Sr. had completed his tour of duty in the United States Navy. America's economy was rapidly growing, and with it, the need for an industrial-mechanical service company. Mr. Darby saw the future and the opportunity to use the skills he had learned in the service. In 1948 he opened a two-man shop that specialized in armature rewinding, or what he called "problem solving."

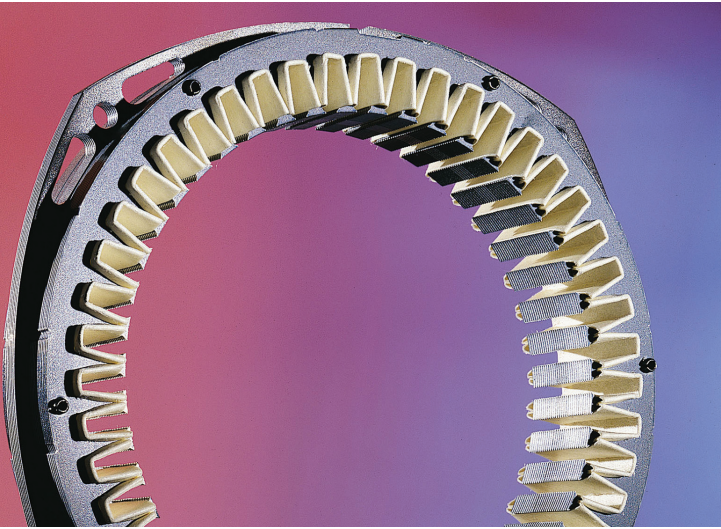
Now in its third generation, Darby Electric Company continues to grow. Today they offer everything from analysis and repair of large DC motors to the repair and reconditioning of AC induction and synchronous motors, squirrel-cage rotors and servo motors. DuPont is proud to be a part of Darby's continuing commitment to excellence. Whether it's motor repair, rotor rebuilding, replacement laminations, or stator restacking, providing excellent quality of workmanship has become synonymous with the Darby Electric Company name.



**Nomex.**

**Technology changes things fast. It can be hard for a company to keep up.**

Growing a two-man shop into a competitive company meant keeping pace with the latest trends. Meeting an ever-changing technical landscape can present a challenge. And that's where DuPont helped Darby. By utilizing reliable materials from DuPont, and by providing advanced products and services, Darby was able to stay on the cutting edge of innovation and technology. The result: Darby Electric stayed competitive by delivering products that performed beyond the expectations of their customers. It's a relationship DuPont is proud to be a part of.



To ensure quality for the unique and demanding needs of their customers, Darby uses some of the latest and most advanced insulation materials from DuPont, which include Nomex® laminates and Nomex® paper. Designed to help protect electric motors, transformers and generators from extremely high operating temperatures, DuPont™ Nomex® is available in a number of types and thicknesses. This allows engineers to adapt the materials to specific products as well as to a customer's one-of-a-kind specifications. The combination of reliable materials and smart innovation is just what Darby's solution-oriented customers are looking for.

"We've been using Nomex® since 1992 and it has proven to be a major advantage for us. We use it primarily for slot liners in our random-wound, low-voltage applications. The laminated material provides excellent mechanical strength at the end of the slot, reducing the tendency to split at the opening," says

President Mike Darby. "The electrical properties of Nomex® allow us to use thinner material as a separator in the slot. This means reduced time in the rewind procedure."

**Set the customer's expectations high. Then exceed them.**

Bringing the passion of doing great work together with superior materials gives companies more than a good product – it yields a product they're proud to put their name on. Darby employs 33 people who specialize in bringing high-level service that keeps critical motors running in the paper, plastics, wood products, cement and chemicals industries. In every one of those markets, the Darby name means quality, and the reliability of Nomex® contributes to that reputation.

Reliability: it's one of the reasons Darby uses products made of DuPont™ Nomex® brand paper. By using Nomex®, Darby gets reliability and dependability in their design; their customers get superior performance in their motors.

**In the motor-repair industry, dependability is everything.**

When your customers depend on the reliability of your product, it makes sense that you demand the same from your vendors. DuPont understands the challenges of companies in the motor-repair industry. That's why DuPont offers superior customized solutions and technical support. With experienced design and testing experts, DuPont is dedicated to providing exceptionally reliable and dependable solutions for the unique design needs of companies like Darby. "Thanks to DuPont's efforts, Darby Electric has benefited greatly," says Darby Vice President Ben Hamilton. "Our working relationship with DuPont is excellent."

**Delivering the best.**

DuPont is proud to be a part of the Darby Electric success story. For over 40 years, DuPont™ Nomex® has helped companies everywhere achieve high-quality results. By providing them with materials they know they can count on, companies like Darby know they can deliver a superior performing product, time after time. Today DuPont is proud to be considered the industry gold standard in electrical insulation. Along with 200 years of dedicated research, resources and innovation, DuPont customers have come to enjoy something quite remarkable – a business partner that believes in superior products too.

[www.dupont.com/nomex](http://www.dupont.com/nomex)

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