

Noble Polymers =  $\frac{\text{minds}}{\text{matter}}$

**noble**  
polymers



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Changing business  
on a global level starts  
with changing business  
on a molecular level,

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as proven through the solutions Noble Polymers provides as a result of our many technological breakthroughs. Over the years, we have been able to offer materials that not only accommodate the specific requirements of the application, but make it profitable for our customers. In addition to materials development, we offer materials selection, integrated design analysis and empirical testing, prototyping and molding tryouts.

It is this combination of service and expertise that allows our customers to trust us to help with every step of a project, from conceptualization to production.

## applications

Being a trusted provider of high-performance materials is important to us. But being in the business of solving problems means going deeper than technology. We take great pride in getting to know our customers and how their companies generate value, so that each project we work on becomes profitable for you.



With the support of our strategic business partners, we can offer a range of services including:

- Dedicated team leadership matched to your project management
- Custom material development
- Continuous tracking of time and cost
- Strong focus on quick action
- Truck fleet dedicated to your shipments
- Truck drivers who are also inventory managers
- Flexible delivery arrangements
- Engineering solutions and product design created for your specific application

## product offering

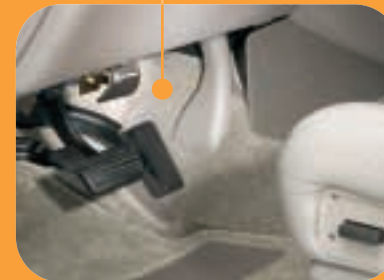
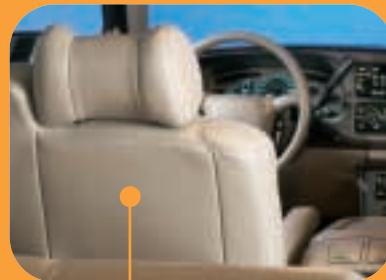
### FORTE™ NANOCOMPOSITE

At Noble Polymers, our forte has always been our outstanding service and materials development. Today, it is also our most recent accomplishment. We are proud to offer Forte™, our revolutionary breakthrough in nanocomposites. When compared to virgin polymer or conventional composites, Forte outperforms in several areas, such as:

- Improved durability
- Lighter weight
- Better high-temperature resistance
- Enhanced surface aesthetics
- Better barrier properties
- Easier processing compared to conventional resins
- Good recycling properties


### ECOBARRIER™ TPO

Customers have come to rely on the invaluable properties of Ecobarrier™ for their engineering solutions. Its superior acoustic deadening has made it an indispensable product in markets such as automotive, where it has been used by companies like GM, Ford, Chrysler and Honda for acoustical barriers inside dashboards. We have been manufacturing Ecobarrier for over five years, providing important product attributes in addition to acoustics. It is engineered to be flexible, recyclable, and used in injection molding.



### RIGID TPO

Our Rigid TPO is used in exterior automotive trim throughout the world. This paintable product has been a superior performer for customers such as Freightliner. When compared to the competition, the Noble Rigid TPO can match and outperform at a more economic rate for the customer. This recyclable product is yet another tool that Noble Polymers uses to solve problems for our customers on both the technology and the economic front.

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- **ECOBARRIER™ TPO**
  - **RIGID TPO**
  - **FORTE™ NANOCOMPOSITE**

At Noble Polymers, we build compounds that provide innovative solutions to engineering problems. We build relationships that solve many of the common challenges customers have with suppliers. We want to work with you to create a solution that makes sense for both your application and your bottom line.



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