

At NOVA Chemicals, we believe that a sustainable business is a profitable and socially responsible business. The company's contributions to sustainability and social responsibility are implemented largely through the principles of Responsible Care. Our commitment to the triple bottom line provides a sustainable pathway for environmental, social and economic success.

**Corporate Initiatives:** NOVA Chemicals' established companywide systems and procedures continuously improve our environmental performance and protect the well-being of our communities. We have been actively working to reduce greenhouse gas emissions intensity since 1990, and expect to reduce overall GHG emissions intensity by approximately 20% in the 2000 to 2010 timeframe. All of our Canadian manufacturing facilities utilize cogeneration as a key component of our greenhouse gas emissions reduction strategy.

**Product Solutions:** Innovative products are a key component to NOVA Chemicals' sustainability success. Proprietary technology applied to our portfolio of polymers and products delivers a range of environmental benefits to our customers – helping them reach their sustainability goals.

NOVA Chemicals polyethylene film resins create strong and flexible films for consumer and industrial packaging applications. Innovative resin design and processing techniques minimize waste by reducing the amount of material needed through downgauging — achieving more performance with less resin. For example, our barrier film resins can deliver up to a 30% reduction in film gauge.

ARCEL® Advanced Foam Resin reduces waste by protecting damage-sensitive goods with less material — conserving resources and minimizing the impact on the environment. Since less packaging material is used, package size can be reduced by as much as 40%. Downsizing packaging with ARCEL resin is a source reduction that triggers a positive domino effect — reducing a product's environmental impact throughout the supply chain.

Energy efficient building and construction products developed by NOVA Chemicals limit the environmental footprint of homes and buildings. These products can deliver approximately 30% more energy efficiency than traditional construction materials, and can contribute to U.S. Green Building Council LEED certification. Our building and construction portfolio includes:

- Insulated Concrete Forms (IFCs) – stay-in-place formwork using expandable polystyrene for energy-efficient, cast-in-place reinforced concrete walls.
- Composite Building Systems - cast-in-place steel-reinforced concrete floors, roofs and decks.
- Elemix® Concrete Additive - specially formulated polymeric spheres that deliver significant cost and design advantages for commercial concrete applications.

For more information about NOVA Chemicals' sustainability initiatives please visit the social responsibility section of our website: [www.novachemicals.com](http://www.novachemicals.com).