



# LyondellBasell in Australia



# About LyondellBasell

LyondellBasell Industries is one of the world's largest polymers, petrochemicals and fuels companies. Formed through the merger of Basell and Lyondell, we are the global leader in polyolefins technology, production and marketing; a pioneer in propylene oxide and derivatives; and a significant producer of fuels and refined products, including bio-fuels.

Through research and development, LyondellBasell is dedicated to meeting the ever-changing requirements of our diverse customers, including the creation of new catalysts, processes and products. Our materials are used in virtually every market to manufacture countless goods and products that enhance the quality of life for people around the world.

We clearly recognise the importance of being a responsible corporate citizen in our communities. We are committed to operating our businesses with the highest principles of integrity, ethics and corporate responsibility, as well as the highest standards of health, safety and environmental performance.

Headquartered in The Netherlands, LyondellBasell ([www.lyondellbasell.com](http://www.lyondellbasell.com)) is privately owned by Access Industries.

## Polymers Division Overview

Basell Australia Pty Ltd (Basell Australia) is part of LyondellBasell's Polymers Division, which produces, markets and sells industry-leading advanced polyolefins, polypropylene and polyethylene resins.

Our Polymers Division works closely with LyondellBasell's R&D organisation to bring innovative resins to market as quickly as possible. We continuously discover new opportunities for polyolefins to replace other polymers and traditional materials – by offering properties and performance characteristics which are unmatched in the industry.

Manufactured using LyondellBasell's world-renowned process technologies, our high-performance resins are versatile materials – used in applications ranging from packaging and housewares to automotive, pipes and appliances. Our product families include:

- **Advanced Polyolefins** – An innovative family of specialty polyolefins delivering high “value in use”, which includes polybutene-1, advanced polypropylene resins from the Catalloy process and polypropylene compounds.
- **Polypropylene** – A wide range of world-class homopolymers, heterophasic copolymers and random copolymers used to manufacture countless goods and products.
- **Polyethylene** – A diverse portfolio of state-of-the-art low, medium and high density polyethylene resins used to produce a variety of consumer and industrial products.



# Delivering Customer Value

At LyondellBasell, we believe that innovation is not only a new or improved product or technology, but one that brings customer value. Needs for high-performance resins that produce thinner, lighter-weight packaging, more chemical resistant pipes, more durable bumpers, more protective surgical masks, and tougher landfill liners make us work harder – to expand properties and performance beyond the ordinary. Below are just a few examples of our value-based products:

- Thin-wall injection moulding resins are used to produce thinner, lighter-weight packaging
- New thermoforming copolymers allow converters to make thinner drinking cups - which replace paper containers - while utilising less material and energy
- High melt flow copolymers with freezer impact enable customers to replace paper ice cream containers with reusable PP containers
- Ultra-soft, high strength advanced polyolefins used to produce trend-setting auto interior components
- High performance polymers used in white goods provide impact performance and aesthetics, essential requirements for today's appliance needs
- New resins used in injection stretch blow moulded beverage bottles are clearer, tougher and faster-processing
- High-strength polymers used to produce gas, water and sewage pipe
- Resins that meet stringent requirements for medical applications
- Materials used in surgical masks that shield doctors and patients



## Fast Facts

- Global Capacity Positions
- 1st in Polyolefins and Polypropylene Compounding
  - 1st in Polypropylene
  - 3rd in Polyethylene

Manufacturing sites located on five continents

Sales in more than 120 countries



# LyondellBasell in Australia

Basell Australia, a company of LyondellBasell Industries, is headquartered in Melbourne, Victoria, and is the sole manufacturer of polypropylene (PP) in Australia. Polypropylene resins are manufactured at two sites, Geelong, Victoria; and Clyde, New South Wales; which obtain propylene and ethylene gas feedstock from local refineries and petrochemical plants.

A joint venture of Basell Australia, PolyPacific Pty Ltd, located in Dandenong, Victoria, produces, markets and sells polypropylene compounds used in specialised applications such as automotive bumpers.

Basell Australia employs approximately 175 people, including chemical process operators, engineers, laboratory staff, instrument/electrical tradespeople, finance management and support, logistics and sales personnel and others.

Our local knowledge, combined with LyondellBasell's industry-defining innovations, superior technical expertise and global reach, provide a strong foundation for our commitment to the Australian and New Zealand markets.

## Our offerings include:

- Increased PP capacity through the expansion of the Geelong manufacturing plant
- Market Development Laboratory provides advanced technical service and product development support
- Broad PP portfolio, supplying customers through our local Australian plants and our technologically-advanced network of joint venture facilities





# Fast Facts

## Geelong Site

<b>Ownership:</b>	100% Basell Australia
<b>Constructed:</b>	1979
<b>Location:</b>	Geelong, 70 km southwest of Melbourne in Victoria
<b>Capacity:</b>	130,000 tonnes PP annually
<b>Major products:</b>	Homopolymer polypropylene grades
<b>Typical customer applications:</b>	Film, fibre, industrial strapping, caps and closures, rigid and flexible packaging, housewares, flower pots and blow moulded products
<b>Major markets:</b>	Australia, New Zealand, Southeast Asia, China, Northern Asia, Indochina and India
<b>Other:</b>	Winner 2007 PACIA Sustainability Award for Chemical Plants; Inducted into Victorian Manufacturing Hall of Fame, May 2008



## Clyde Site

<b>Ownership:</b>	100% Basell Australia
<b>Constructed:</b>	1991 (Original Plant in 1971)
<b>Location:</b>	Clyde, 20km West of Sydney in New South Wales
<b>Capacity:</b>	170,000 tonnes PP annually
<b>Major products:</b>	Homopolymer, impact copolymer, and random copolymer polypropylene grades
<b>Typical customer applications:</b>	Automotive parts, industrial components, domestic appliance components, furniture, rigid and flexible packaging, housewares and blow moulded products
<b>Major markets:</b>	Australia, New Zealand, Southeast Asia, China, Northern Asia, Indochina and India
<b>Other:</b>	Finalist 2007 PACIA Sustainability Award for Chemical Plants

# Health, Safety & Environment

Basell Australia operates all of its manufacturing facilities with a focus on protecting the health and safety of its employees and contractors and with a commitment to safeguarding its local communities and environment.

The company has developed measures that minimise environmental impact through waste and water recycling, safe treatment and disposal of hazardous wastes and the prevention of air, water and soil pollution. Basell Australia's environmental management systems are certified to ISO 14001.

In 2008, Basell Australia entered into a voluntary Sustainability Covenant with the Victorian Environmental Protection Authority (EPA) and the Plastics & Chemicals Industry Association (PACIA) aimed at further embedding Sustainable Business Growth principles within the organisation and supporting product innovation for greater resource efficiency in the Australian polypropylene (PP) market.





# Community Involvement

Basell Australia participates in the Responsible Care® program, managed by the Plastics and Chemical Industries Association (PACIA). The program is designed to help manufacturers monitor and improve aspects of their operations to protect the environment and the health and safety of local community members, employees and contractors.

Our community outreach programmes include industry open days, community liaison meetings, and local school and tertiary educational initiatives.



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You can find out more about us by  
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