



Cardia bioplastics™

Cardia Bioplastics People and Locations

Our resins and finished products are now in use internationally with high profile businesses and major retailers. Visit Cardia Bioplastics at www.cardiabioplastics.com, or www.cardiabioplastics.com.cn contact our experienced product and applications development team to customise the sustainable resin solution for your packaging or plastic product.

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Cardia Bioplastics™

Your global supplier of sustainable resins for packaging and plastic products.



Our Mission

Cardia Bioplastics™ develops, manufactures and markets sustainable resins derived from renewable resources for the packaging and plastic products industries. Our mission is to be the international leader in the supply of technically advanced sustainable resins made from renewable resources.

Our History

Established in 2002 as Biograde Limited, we have expanded rapidly to become Cardia Bioplastics, a global business with Headquarters and Global Applications Development Centre in Melbourne, Australia. Our Product Development Centre and manufacturing plant is in Nanjing, China. We also have offices in Europe and the Americas, and a network of leading distributors across Australia, the Americas, Europe and Asia. Our key people are skilled plastics industry leaders widely recognised for their sustainable resins expertise.

Growth for our business is fuelled by the global trend towards sustainable packaging. We hold a strong patent portfolio and a track record for creating innovative products based on our proprietary technology. As Biograde, we were the exclusive supplier of biodegradable packaging to the 2008 Olympic and Paralympic Games, were awarded the Australian Chamber of Commerce "Australia-China Business Excellence Award" in 2008, and won the 2009 "CleanEquity Monaco Conference Award" for Excellence in the field of Environmental Technology Commercialisation.

Our Product Range Offering Customers a Choice of Solutions

Cardia Bioplastics delivers solutions across a range of sustainable resin technologies. This means we can offer each customer a choice of solutions for their packaging or plastics product applications. Cardia Bioplastics supplies:

Cardia Biohybrid™ Resins

These products are a blend of renewable thermoplastic materials and traditional polyolefins. Biohybrid resins allow manufacturers to embrace sustainable packaging early with existing equipment, and enable them to immediately increase the renewable content of their products by up to 50% and reduce their carbon footprint. This high performance range has a wide processing and application window and is colourable and printable. Typical applications include flexible film, overwrap packaging, shopping bags, garbage bags, blow moulded bottles, injection moulded closures, food utensils, pens, thermoformed food trays, foams and injection moulding applications. Cardia Bioplastics can tailor compounds to suit specific customer applications. The base Biohybrid resins range includes:

Product Name	Description	End Use
Cardia Biohybrid™ BL-F	Blendable Film Grade	Masterbatch for blown film
Cardia Biohybrid™ BL-M	Blendable Moulding Grade	Masterbatch for moulding
Cardia Biohybrid™ H-F	Film Grade	Blown film/ bags
Cardia Biohybrid™ H-FM	Foam Grade	Foam products
Cardia Biohybrid™ H-M01	Moulding Grade	Injection mouldings
Cardia Biohybrid™ HM-03	Moulding Grade	Stiff injection mouldings

Cardia Compostable resins

This range of biodegradable products meets international standards for compostability, including Europe's EN 13432, the USA's ASTM D 6400, Japan's GreenPla, Australia's AS 4736. These resins enable customers to offer certified compostable packaging and plastic products, with no additional investment in existing production equipment. Derived from renewable resources, our resins are soft touch, colourable and printable. Typical compostable resin applications include flexible film up to 120 microns, shopping carry bags, compostable garden waste bags, mulch films, garbage bags, overwrap packaging, utensils, pens, thermoformed trays, bottles, closures, clips, labels, tags, and injection moulding applications. We can develop compounds for specific customer needs and offer a base compostable resin range, including:

Product Name	Description	End Use
Cardia Compostable B-F	Biodegradable Blown Film Grade	Blown film/ bags, mulch film
Cardia Compostable B-M	Biodegradable Moulding Grade	Injection mouldings, extrusions
Cardia Compostable B-MT01	Biodegradable Moulding Grade	Stiff injection mouldings, extrusions
Cardia Compostable B-MT02	Biodegradable Moulding Grade	Flexible injection mouldings, extrusion

Cardia Bioproducts™ Finished Goods

As a service to customers, the Cardia Bioproducts team offers design, development and production of ready to use finished goods, such as film and bag products. This service is ideal for customers that are new to the sustainable products sector and want to trial new goods, or those wanting assistance to time their change to the production of goods made from sustainable resources. With our focus on individual customer needs, Cardia Bioproducts finished goods can be manufactured from either Biohybrid or compostable resins.