CONVENTUS
BEYOND POLYMERS

SUSTAINABLE PLASTICS

PROMOTING SUSTAINABLE INNOVATION FOR CUSTOMERS

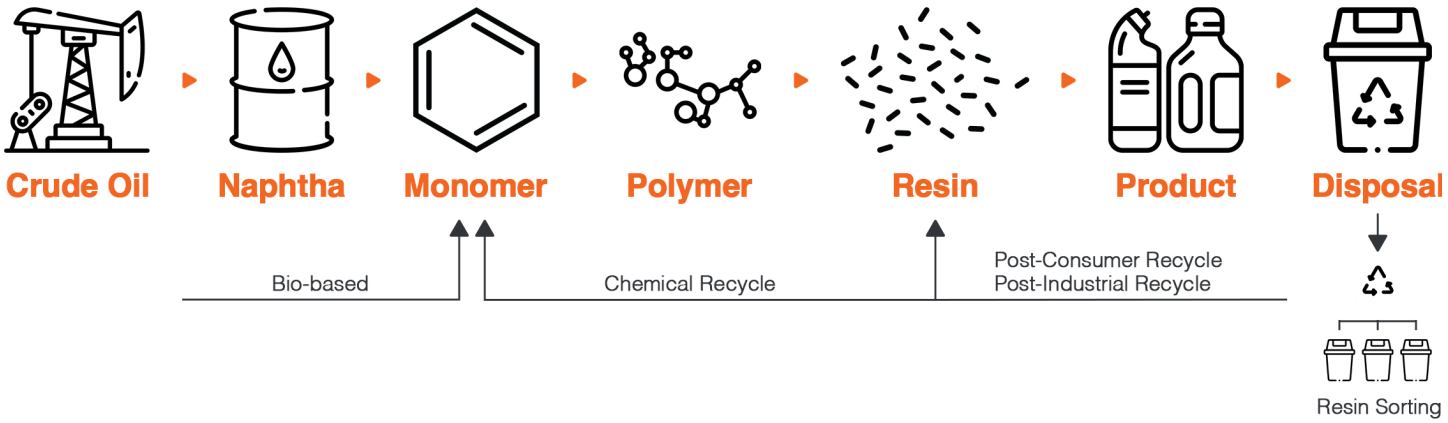
The umbrella phrase that is “Sustainable Plastics” is often misused, misunderstood or misinterpreted. Different end users seek to meet their objectives in providing the most responsible options to their customer. These brand owners may choose to seek bio-based polymers, materials sourced from post-consumer recycled content, or alternative solutions that offer a lower total carbon footprint proven through a third-party life cycle analysis (LCA). Regardless of the path they choose, Conventus Polymers is committed to offering transparency with sustainable options in a product portfolio that brings value to meeting brand owner’s sustainability objectives.

CONVENTUS COMMITMENT

At Conventus, our commitment to sustainability goes beyond simply recycling our materials and minimizing our impact. We believe sustainability is rooted not only in what we manufacture, but also in how we manufacture it.

CONVENTUS POLYMERS’ SUSTAINABLE PRODUCT PORTFOLIO

Conventus provides a full eco-friendly product portfolio that helps customers develop new applications for a circular economy.



SUSTAINABILITY INITIATIVE	RESIN
Bio-Based	PA56, PA1010, PA610 PA56, PA1010, PA610, MACM10/1010, PPA, PC, PEI, MACM10/1010, PPA, PC, PEI
Chemical Recycle	ABS
Post-Consumer Recycle	ABS, PC, PC/ABS, OBP
Post-Industrial Recycle	PPA, PA6
Smart Material Selection	POK, metal to plastic conversion, domestic suppliers, etc.

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CONVENTUS' SUSTAINABLE PRODUCTS

BIO-BASED (PARTIAL OR FULL) MATERIALS

Bio-based materials are made from renewable resources like plants, meaning the carbon in them originally came from the atmosphere rather than fossil fuels. This renewable, plant-based carbon is often referred to as atmospheric, or biogenic, carbon, and it stands in contrast to the fossil-based carbon used in traditional petroleum-based plastics. When a polymer is labeled "30% bio-based," it means 30% of its carbon content is sourced from renewable, plant-derived materials. While these materials don't eliminate carbon emissions, they help reduce the release of new carbon into the environment and support a more balanced, circular carbon cycle.

CHEMICAL RECYCLED MATERIALS

Chemical recycling is any process by which a polymer is chemically reduced to its original form so that it can be processed and remade into new plastic materials. Chemical recycling helps overcome the limits of traditional recycling. It also helps manufacturers continue to push the boundaries of how, and where, recycled plastics can be used.

POST-CONSUMER RECYCLED MATERIALS

Post-consumer recycled content (PCR) is plastic content created from post-use materials diverted from landfill and re-processed into new plastic materials. PCR products are made by manufacturers that lean on this waste-diverted material for the creation of new products.

POST-INDUSTRIAL RECYCLED MATERIALS

Post-industrial recycled products' composition contains some percentage of manufacturing waste material that has been reclaimed from a process generating the same or a similar product. In the plastics industry, post-industrial recycled material can go into a wide variety of parts that go through processing since this has low impact on material properties.

SMARTER SUSTAINABLE MATERIAL CHOICES

Smarter Material Choices are made when the material is initially selected with sustainability in mind. This could include using a less carbon-intensive plastic by avoiding over spec'ing, buying from domestic suppliers to avoid transportation emissions, or even replacing metal or paper materials with plastic alternatives. Life cycle analysis (LCA) is often used to help quantify environmental impact, including carbon emissions, of a product or process which can be useful to compare the sustainability of material options.

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