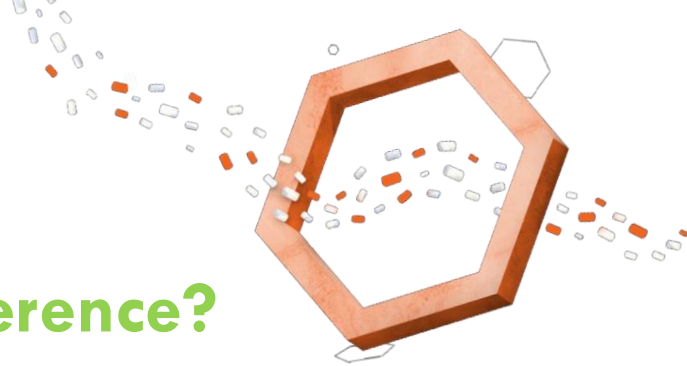


## Sustainable Solutions

As the push for sustainable materials grows by the day, we are excited to help make them even more accessible. Conventus offers a variety of both PCR and bio-based polymers. With more and more sustainable materials being developed, the idea of a circular economy is no longer far-fetched. In fact, the day that it becomes a reality may be closer than we once thought.

Post Consumer Recycled			
PC	LUPOY ER1006FN	50% PCR, V-0 @ 1.0 mm, 125°C RTI	Chargers CCTV
	LUPOY ER1000Y	90% PCR, Transparent	Phone Cases Transparent Sheets
ABS	TOYOLAC RFX10-X01	30% PCR Transparent	Washroom Accessories Pens
PC/ABS	LUPOY ER5001RF	30% PCR, V-0 @ 1.5 mm 80°C RTI	IoT Devices Laptop Bezels E&E Housings
	LUPOY ER5200A	40% PCR, 20% Glass Filled	Automotive Interior
PC/ASA	LUPOY ER5000FS	50% PCR, V-0 @ 1.5 mm f1 Weatherability	IoT Devices Laptop Bezels E&E Housings
PBT	LUPOX CR2300(M)	30% PCR, 30% Glass Filled	ECU Housing
PC/PBT	LNP ELCRIN 610009UXiQ	30% Glass Filled	Cell Phones Computer Components
PA6	LUMID OP2300Z	70% PCR, 30% Glass Filled	Smart Watches Office Chairs
PA6/6	LUMID ER2300B	30% PCR, 30% Glass Filled	Automotive Interior/Exterior
Bio-Based			
PC	TRIECO 3A00	92% Light Transmission	Automotive Displays
	LNP ELCRIN CRX741 2UB (PC Copolymer)	V-0 @ 1.2 mm	Medical/Healthcare
PA5/6	LUMID EB2500S	50% Glass Filled, PA66 Alternative	Clutch Pedal Junction Box
	LUMID TX5002SR	PA56/PPE Alloy	Levers Brackets
PA6/10	VAMPGREEN N130GSFV)2802	20% Bio-Based 30% Glass Filled	E&E E-Mobility
PA10T	VAMPGREEN J30GSFV02802	20% Bio-Based, 30% Glass Filled	E&E E-Mobility
TPU	ISOTHANE G1075AU	46% Bio-Based 75 Shore A Hardness	Packing Materials Footwear Automotive
	ISOTHANE G1095AU	32% Bio-Based 95 Shore A Hardness	Packing Materials Footwear Automotive
PEI	ULTEM	Multiple Bio-based alternatives to traditional grades	Healthcare Automotive E&E



## What's the Difference?

With sustainable materials growing in popularity, we are seeing terms like “PCR”, “PIR”, and “bio-based” materials being thrown around. Understanding these terms can be helpful when navigating the broad selection of sustainable solutions on the market today.

### What Are PCR Polymers?



PCR (post-consumer recycled) material is created via the basic recycling process. Plastic products are first used by the consumer and then discarded once the user is finished with them. These products are then salvaged, rather than sent to a landfill. They are then sorted, cleaned, and reprocessed to create PCR material that may now be used to create new plastic products.

### What Are PIR Polymers?



PIR (post-industrial recycled) material is also created via the basic recycling process but has one key difference from PCR. Whenever plastic products are manufactured, there is always scrap whether companies care to admit or not. PIR material is created by recycling this plastic scrap.

### What Are Bio-Based Polymers?



Traditional polymers are created using fossil fuels, such as crude oil. Bio-based polymers on the other hand are created using renewable biomass sources. The key word here is **renewable**.

### What are Biodegradable Polymers?



Biodegradable polymers are materials that are capable of being degraded entirely with the help of microorganisms. Most polymers break down into substances that can be harmful to the environment known as “microplastics”. When it comes to biodegradable polymers, microplastics are not a concern.

### What are Ocean-Bound Polymers?



Ocean-bound polymers are just as the name suggests: materials that are bound to enter our oceans. Materials that are thrown away in areas relatively close to coastlines or that end up in rivers/waterways can be classified as this.

## About Conventus Polymers

Conventus Polymers offers distribution and compounding solutions for both engineering and high-performance plastic resins. We work with you to help identify the best materials that meet your application's specific requirements. With the help of our team's technical expertise, we offer fast, flexible and quality service that is unmatched across the industry.



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