

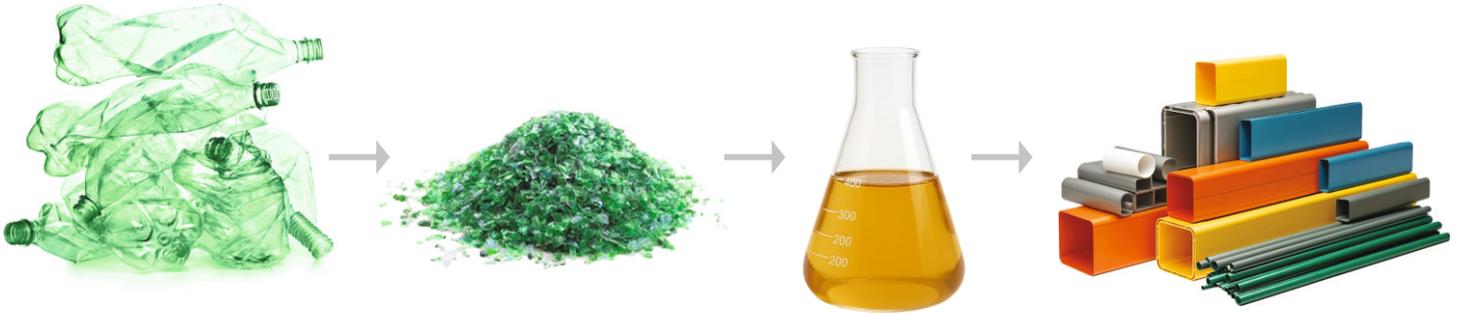


rPOL
High Performance Sustainable Resins

**Sustainable Green
Resins for the
Future of Composites**

Introducing Our Innovative rPOL resin system:

Our recycled rPOL resin combines innovation and responsibility, turning discarded plastic into high-performance, eco-friendly solutions.



Why rPOL Resin?

rPOL, made from post-consumer PET waste like plastic bottles, upcycles waste into high-performance resin, reducing virgin petrochemical use and supporting the circular economy.

Eco-Friendly

Up to 25% recycled content, low VOC, and reduced carbon footprint.

High Performance

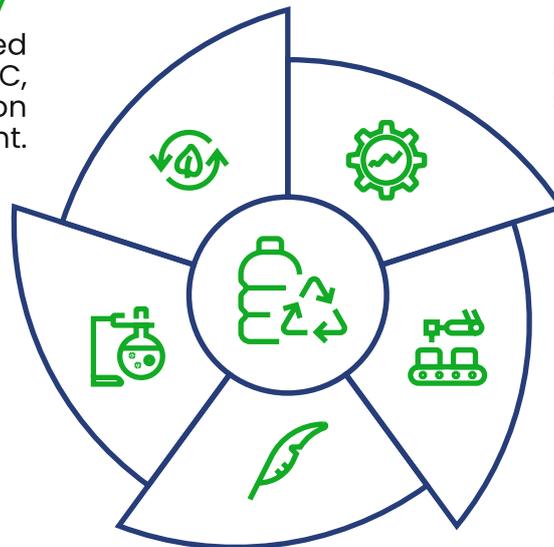
Excellent mechanical, chemical, and thermal stability.

Customizable

Adaptable with bio-fillers, nanomaterials, or other modifiers.

Versatile Processing

Works with RTM, vacuum infusion, pultrusion, filament winding, and compression molding.



Lightweight & Strong

Maintains strength and durability in lightweight structures.

Benefits of rPOL Resin Systems

- ▶ Sustainability (closed-loop system)
- ▶ Cost-effective
- ▶ Lower carbon emissions Regulatory compliance (ESG goals)

Crafted for brands that care, our rPOL labels combine:

- ▶ **Eco-friendly materials** — created from post-consumer plastic waste
- ▶ **Durable and high-performance adhesive** — perfect for packaging across industries
- ▶ **High-quality printability** — to keep your brand looking bold and vibrant
- ▶ **A reduced carbon footprint** — supporting your sustainability goals

Entire range of rPOL products:

Innovative's rPOL resin portfolio covers most composite manufacturing needs, delivering strength, durability, and sustainability in every application.

rPOL resin system for Hand Lay-up (IR-1103):

Sustainable, high-strength resin ideal for automotive, marine, and general composite products, offering long-term performance and chemical resistance.

rPOL resin system for pultrusion (IR 8703):

Eco-friendly resin engineered for continuous pultrusion, combining excellent processability with mechanical performance and reduced environmental impact.

rPOL resin system for SMC/DMC (IR-1183):

Durable, insulating resin for SMC and DMC applications, providing exceptional strength, thermal stability, and consistent molding quality.

rPOL resin system for Filament winding (IR-1133):

High-performance resin for wet and continuous filament winding, ensuring superior fiber bonding, thermal performance, and eco-efficiency.

rPOL resin system for casting (IR-1066):

Clear and dimensionally stable resin for open and closed mold casting, delivering precision, mechanical strength, and sustainable manufacturing benefits.

Innovative rPOL product portfolio

Application	Product	Description
Hand Layup	IR-1103	Excellent fiber wet out, good mechanical property
Pultrusion	IR-8703	Low shrinkage, excellent wet out
SMC/DMC	IR-1183	Low Shrinkage, glossy, Thickenable
Filament Winding	IR-1133	Excellent fiber wet out, chemical resistance
Casting	IR-1066	Excellent filler wet out



Go Green

with High-Performance

Choose innovation

that sticks with rPOL.

Explore Our Full Product Portfolio for Composites

- ▶ UP & VE Resins, Resin Systems
- ▶ Gelcoats & Pigmented Gelcoats
- ▶ Pigment Paste
- ▶ Fire Retardant Systems
- ▶ Tooling Systems



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