

- ▶ Sustainable materials for eco-conscious applications
- ▶ Complete portfolio of specialty compound enhancements
- ▶ Engineered to your performance and marketing requirements



### ADDITIONAL BENEFITS

- RTP Company's engineering expertise upcycles recycled resins into high performance compounds
- Meet consumer demands for sustainable products
- Reclaim energy and resources used to produce original resin
- 1 to 100% post-consumer content
- Ideal balance between cost and performance
- Quality tested to ensure consistent performance
- Alloy with bioplastics for complete sustainability
- Increase EPEAT and LEED scores

Imagine thermoplastic compounds that complete the sustainable materials lifecycle and offer the ecological benefits in high demand from consumers, yet are able to provide the performance you need to make your application as success. At RTP Company, we not only imagined them, we've made them a reality.

Post-consumer content (PCC) compounds from RTP Company use 1 to 100% resin components reclaimed from solid waste streams through recycling programs. These materials close the sustainability lifecycle by reusing the energy and environmental resources that created the original resin, thus providing your products with a "green" status that can increase their marketability.

RTP Company has the engineering expertise to turn waste products into high performance compounds that will meet your requirements, while keeping rising material costs under control. PCC compounds are available with all of the property enhancements you look for in specialty compounds: color, conductivity, flame retardance, reinforcement, or wear reduction, and can be customized to your exact specifications.



Raw materials, as well as finished PCC compounds, are fully tested to ensure quality and consistent performance in your application. Even when working with reclaimed materials, RTP Company maintains the objectivity you can rely upon to ensure you are using the best materials solution available.

The materials are available in nylon (PA), polycarbonate (PC), and polyethylene terephthalate (PET) polymers. Additionally, PCC compounds can be alloyed with other resins and bio-materials to produce better performing hybrid products. These can be beneficial to products managed by EPEAT or LEED evaluation systems.

Post-consumer compounds...another innovation from RTP Company: your global compounder of custom engineered thermoplastics.





## RECYCLED POST-CONSUMER COMPOUNDS

### Initial Post-Consumer Content Specialty Compounds

Additional custom formulations are available to meet specific performance or marketing criteria

#### Nylon 6/6 (PA) – RTP 200 Series

- Recycled resin with 5 to 60% glass fiber reinforcement
- Recycled resin with 30% glass fiber reinforcement & 15% PTFE lubrication

#### Nylon 6 (PA) – RTP 200 A Series

- Recycled resin with 5 to 60% glass fiber reinforcement
- Recycled resin with 30% glass fiber reinforcement & 15% PTFE lubrication

#### Polycarbonate (PC) – RTP 300 Series

- Recycled resin with 5 to 40% glass fiber reinforcement
- Recycled resin with UL94 V-0 halogen-free flame retardant
- Recycled resin with 10% glass fiber reinforcement & UL94 V-0 halogen-free flame retardant

#### Polyethylene Terephthalate (PET) – RTP 1100 Series

- Recycled resin with 5 to 60% glass fiber reinforcement
- Recycled PET resin alloys
  - PET/ABS
  - PET/PC
  - PET/PBT

#### Polycarbonate/ABS Alloys – RTP 2500 Series

- Recycled resin with UL94 V-0 halogen-free flame retardant

#### Poly(lactic acid) (PLA) Bioplastic Hybrids

- PLA/PC hybrid with recycled polycarbonate resin
- Permanently antistatic PLA/PC hybrid with recycled polycarbonate resin
- UL94 V-0 halogen-free flame retardant PLA/PC hybrid with recycled polycarbonate resin



### RTP Company: Your Global Compounder Of Custom Engineered Thermoplastics

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