



# AP ALLOY POLYMERS™

—A division of RTP Company



## High Volume Contract Manufacturing

Thermoplastic Solutions, Capacity, and Service

## We've Joined Forces... and Starting Today, The Best is Even Better

For years, the thermoplastics industry has known **Alloy Polymers** as a premier high volume compounder, and **RTP Company** as a leading global compounder of engineered thermoplastics.

Today, we've combined the expertise and processes of **Alloy Polymers** with the strength of **RTP Company** to provide you with the widest range of high volume thermoplastic compounds available on the market. We are uniquely positioned to meet your most challenging specifications and your tightest deadlines – while exceeding your expectations.



# We are, more than ever, your compounder of choice.



### A Solid Core to Build On

There's a reason our customers soon become our partners. Because they know, from day one, just what our priorities are:

- To assume gratefully and gracefully the role of our customers' "silent partner," shaping our own culture to best meet their needs, while holding their corporate secrets sacred
- To task our world-class management with keeping us always answerable and always ahead
- To charge our associates to continue offering unmatched expertise in every facet of our work
- To maintain plants in places that ensure timely and efficient shipping to our customers' facilities

## High Volume Thermoplastic Compounds

**Our Resources Are at Your Command** Supply whatever combination of resins, additives, or colors you need, and we will apply it exactly as you intend. Without fail, we'll design a solution that works for you.

### RESINS

- ABS
- SAN
- PS and HIP
- TPE, TPO and TPV
- PE and PP
- PPE (PPO) and PPS
- PA (Nylon)
- PC
- LCP and other high temperature polymers
- PET and PBT
- Other Polyesters
- Fluoropolymers
- PC/ABS Blends
- POM (Polyacetal)
- PEEK
- EVA
- TPUs

### ADDITIVES

- Mineral fillers
- Anti-blocking agents
- Metal fibers
- Impact modifiers
- Lubricants (*fatty acids, silicones and waxes*)
- Glass fibers
- Carbon fibers
- Organic and inorganic pigments
- Antioxidants
- UV and heat stabilizers
- Nigrosine dyes
- Carbon black dyes
- Channel black
- Process stabilizers
- Flame retardants

### COLOR

Expertise in a wide range of products. Compound transparent, translucent, opaque color systems, including precolor and masterbatch

Our facilities feature:

- OEM-approved color development and matching
- Color development laboratory
- MacBeth color light room

Extensive management experience

- 40 years color experience

Color facility registered under ISO/TS 16949:2002 by NQA registration

Our parent company, RTP Company, also offers color technology options in standard precolored resins, custom compounds, UniColor, Masterbatches, or cube blends

**ResMart**  
*Plastics Your Way*

Looking for off-the-shelf, unfilled resins? We partner with **ResMart** to fill your requests at competitive prices.



Carbon Fiber



Silicone



Glass Fiber





Window shades on passenger air crafts



Jacketing used as insulation in power cables



Automotive bumpers

## Worry-Free Compounding To Fit Your Industry

Our processes and products are so many and so diverse, we can meet any challenge you hand us.

### PROCESSES

- Compounding
- Reactive processing
- Pre- and post-drying and blending
- High-pressure liquid addition
- Vacuum and atmospheric venting
- Devolatilization
- Down stream and multiple barrel feeding
- Strand and underwater pelletization
- Crystallization
- Melt filtration

### PRODUCTS

- Mineral, glass and fiber filled
- Black and color concentrates
- Additive master batches
- Flame-retardant polymers
- Antistatic, ESD and conductive polymers
- Alloys and blends
- Branched polymers

### MARKETS

#### Wire and Cable Industry

- Dispersion-critical additives and concentrates

#### Packaging Industry

- Films and packaging GMP and FDA compliance

#### Automotive Industry

- Elastomer modified
- Talc, Calcium Carbonate, other additives

#### Electronics Industry

- Conductive and ESD
- Isolation, EH&S controls

#### Medical Industry

- Stringent specifications, tight process control

And more!



Oxygen scavenging bottles for improved shelf life

**Flexible Capacity, Close at Hand** With thermoplastic plants strategically located around the country, distribution is timely and cost effective. And with production capacity of 550 million pounds a year, there's no project too big for us to handle – or too small to give it our best. At Alloy Polymers, we provide...

- *On-site warehousing*
- *Quality lab capability*
- *Ample rail siding*
- *Wide range of resins*
- *Flexible packaging:  
bag, box, truck, railcar*



**Richmond, VA**

- 200K+ sq. ft. under one roof
- Extensive twin screw capability enables seamless scale-up from pilot to fully commercial compounding
- 80M lbs/year capacity
- Able to handle a wide range of products
- Isolated carbon black facility
- FDA for food, medical products
- Pre- and post-blending capability
- Melt filtration
- Strand and underwater pelletization
- Handling of all package types
- Lab scale injection molding
- Full quality control and physical testing available
- TS 16949 certified
- Deep water port access



**Gahanna, OH**

- 125K+ sq. ft. under one roof
- 5 twin screw compounding lines
- Continuous Mixer capability
- 150M lbs/year capacity
- Underwater and strand cut pelletization
- Large-scale blending
- Handling of bulk, railcar, and packaged goods
- Custom color capability
- Lab scale injection molding
- Full quality control and physical testing available
- TS 16949 certified



**Crockett, TX**

- 100K+ sq. ft. in multiple buildings on a 25 acre site
- Batch and Continuous Mixer compounding lines
- 175M lbs/year capacity
- Underwater pelletization
- 3,800 ft. of rail with wash and dry stations
- Handling of railcar and packaged goods
- Full quality control and physical testing available
- ISO 9001: 2008 certified



**Orange, TX**

- 160K+ sq. ft. in multiple buildings
- Twin screw and scalable Baker – Perkin compounding technology
- 150M lbs/year capacity
- Able to handle a wide range of products
- Underwater and strand pelletization
- Pre- and post-blending capability
- Flexible packaging from bulk to bag
- Full quality control and physical testing available
- Baled rubber handling capabilities
- TS 16949 certified
- Deep water port access



**Global Contract Manufacturing Available**

In addition to the four High Volume facilities listed above, **RTP Company** offers contract manufacturing at different volume breaks on a global basis. No matter your location, we are well equipped to serve you with consistent thermoplastic materials. **RTP Company** has more than two million square feet of production space around the globe, with hundreds of extruders totaling millions of pounds of capacity and endless capabilities.



**ALLOY POLYMERS** is committed to providing you with solutions, capacity, and service for all your thermoplastic needs. Our resources are at your command; name the resin or additive and formulation and we'll apply it exactly as you intend.

Please contact your local Sales Engineer by calling **+1 804-317-6934** or **+1 800-248-1494** (U.S. only)  
E-mail [info@alloypolymers.com](mailto:info@alloypolymers.com) or visit [www.alloypolymers.com](http://www.alloypolymers.com)

Need help with a formulation? Our parent company, **RTP Company**, provides custom engineered thermoplastics in a wide range of technologies, available in pellet, sheet, and film that are designed to meet even your most challenging application requirements.

## RTP COMPANY®

RTP Company is an independent, privately owned thermoplastics compounder with global manufacturing, engineering support and sales representation. We are committed to providing you with the best solutions, customization, and service to fit your needs.

## ALLOY POLYMERS™

Our Alloy Polymers facilities provide high volume and tolling services, featuring confidential, efficient operations and timely, large scale delivery.

## ESP™ (ENGINEERED SHEET PRODUCTS™)

ESP™ is our sheet division, which manufactures custom thermoplastic sheet in a range of widths, lengths and thicknesses that are ideal for thermoforming, machining, or flat stock assembly.

## HUEFORIA

As the Colour Development Team of RTP Company, Hueforia brings together our color experts, technicians, resources and a shared color database to serve designers, marketing professionals, and OEMs.

## WIMAN CORPORATION®

A wholly-owned subsidiary of RTP Company, Wiman Corporation produces polymer film from a variety of resins that can be customized with additives to provide specific properties.

No information supplied by RTP Company constitutes a warranty regarding product performance or use. Any information regarding performance or use is only offered as suggestion for investigation for use, based upon RTP Company or other customer experience.

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