



PRIME PTFE

FOR THERMOPLASTIC APPLICATIONS

SHAMROCK



PRIME PTFE OR RECYCLED

The Choice is Yours

Shamrock Technologies is the world's leading producer of PTFE micropowders. Not only does Shamrock create all the standard PTFE micropowder products, but we have led the industry for generations in recycling PTFE and developing new applications. We have built our superior name and reputation by designing PTFE micropowders that deliver optimal performance for specific target applications. By combining our expertise in processing PTFE with our dedication to customer applications, Shamrock offers a level of innovation and service that sets us apart from virtually all of our competitors.

PRIME IS PRIME

Shamrock's core business is the manufacture of prime PTFE micropowders and offers the industry's broadest number of products. Our engineered solutions fit customers' unique applications by controlling:

- PTFE type
- Particle size
- Dispersibility
- Molecular weight
- End groups

RECYCLED NOT REJECTED

Consistency is ensured by the design of our process.

- Stringent qualification of all PTFE sources
- Grading, sorting and cleaning to ensure product quality
- Patented irradiation techniques deliver outstanding product consistency
- Proprietary micronization techniques have been developed specifically for PTFE micropowders



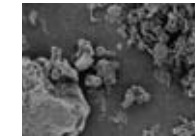
LET US BE YOUR DEVELOPMENT PARTNER

Whatever you can do with PTFE, Shamrock can do. And we can do it better than anyone else. If you're in the market for fine grade, excellent PTFE micropowders, you've come to the right place.

EVIDENCE BEYOND WORDS

Take a Closer Look

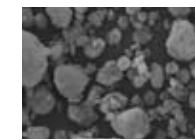
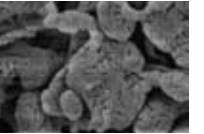
PRIME GRADES



MicroFLON®

Shamrock microFLON® products represent the premium process-controlled micronized PTFE powders. In thermoplastics and elastomers, microFLON® facilitates lubrication and wear resistance.

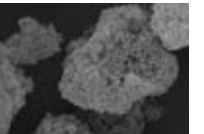
MicroFLON® is engineered from prime grades of PTFE to allow a broader range of applications, including direct food contact. The tight process and particle size control typical of the microFLON® product line allows for easy and proper dispersion, and distribution of the product in the application.



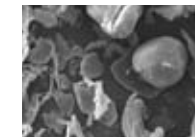
NanoFLON®

Our nanoFLON® line of premium PTFE is nano-sized, polytetrafluoroethylene (PTFE) powder exclusive to Shamrock. NanoFLON® makes it easier to add key fluoropolymer properties to your product, including slip, abrasion resistance and release.

The ultra-fine powders are engineered using our own proprietary process that allows easy dispersion and primary particle sizes as small as 200 nanometers.



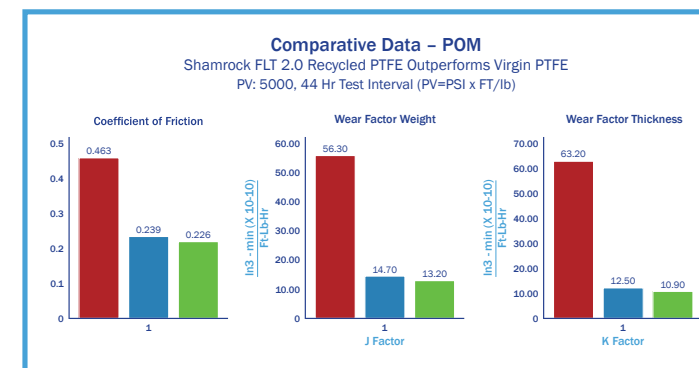
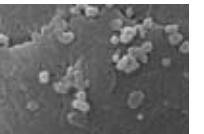
RECYCLED



FLT®

Fluoro-T is a clean, recycled PTFE powder that offers a more attractive alternative to costly virgin PTFE. Not only is Fluoro-T a better value, but as confirmed in recent independent testing, Fluoro-T 2.0 offers superior coefficient of friction and wear resistance in both nylon and acetal (POM).

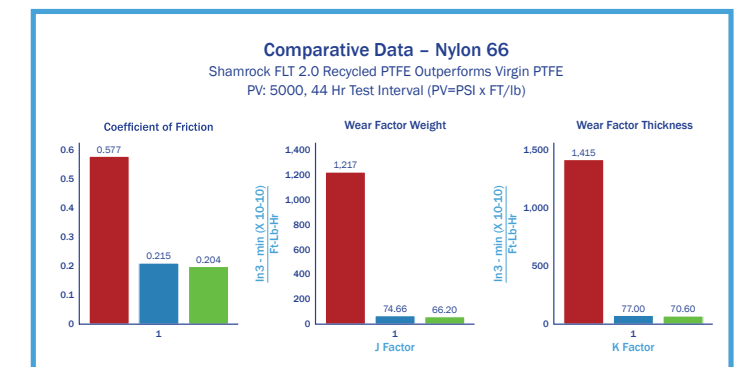
The new Fluoro-T line of additives is non-hydroscopic, free-flowing and performs better in a wide temperature range.



- Control
- Virgin PTFE
- FLT Recycled PTFE

Testing by Lewis Research Inc, Lewes, DE
Job # 0924, May 2009

The Results Are In.
In independent testing, Shamrock recycled PTFE consistently outperformed prime PTFE.



THE GLOBAL LEADER FOR PTFE MICROPOWDERS. PERIOD

Shamrock Technologies is *the* global leader in PTFE micropowders, and the world's largest processor of recycled polytetrafluoroethylene (PTFE). We're also a leading worldwide supplier of micronized powders, dispersions, emulsions, and specialty products including PTFE, polyethylene, polypropylene, custom wax alloys, natural waxes, and specialty additives. The company manufactures hundreds of products at its diversified plant in Newark, NJ, and its state-of-the-art facilities in Kentucky. The company manufactures hundreds of products at its diversified plants in Newark, NJ, Henderson, KY, Tongeren, Belgium, and Tianjin, China.

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SHAMROCK RECYCLES

For almost 70 years, Shamrock Technologies has led the way in the processing of recycled polytetrafluoroethylene. Today, we are the world's largest recycler of PTFE with proprietary collection, cleaning, and reprocessing capabilities, state-of-the-art irradiation facilities, and precision micronization control.