

SHAMROCK TECHNOLOGIES, INC.

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 compounds including PTFE, polyethylene, polypropylene, custom wax alloys, natural waxes, and specialty additives. The company manufactures hundreds of products at its diversified plants in Newark, NJ, Henderson, KY, Tongeren, Belgium, and Tianjin, China.

Shamrock Technologies, Inc., Foot of Pacific Street, Newark, NJ 07114
Phone: 973-242-2999 Toll Free: 800-349-1822 Fax: 973-242-8074
www.shamrocktechnologies.com



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.

ISO 9001 : 2008 Certified Facilities

Newark, NJ
Henderson, KY
Tianjin, China
Tongeren, Belgium

The information contained in this document is, to the best of our knowledge, true and accurate. However, no warranty is expressed or implied regarding the accuracy of the data, the results to be obtained from the use thereof, or that any such use will not infringe any patent.



PTFE Additives for Engineered Plastics

Recycling Guide

REPROCESSING
Collection
Cleaning
Fit to Use



IRRADIATION
Precise Degradation
Redundant Capability



MICRONIZATION
Advanced Fluid Milling
Precision Control
Custom Products



CONSISTENCY FROM RECYCLED



Shamrock's Prime Recycled PTFE material is manufactured under strictly controlled conditions to assure consistent quality.

Grading, Sorting & Cleaning



- All PTFE sources stringently qualified
- Grading, Sorting and Cleaning ensure quality
- Patented irradiation techniques deliver consistency
- Micronization is specifically designed for and dedicated to PTFE micropowder

METICULOUS QUALIFICATION & TESTING

- FTIR
- DSC
- TGA
- Atomic Spectrophotometer
- Laser Particle Size Analyzers
- Shamrock Proprietary Testing
- Material Qualification
- Process Control
- Physical Properties

GLOBAL LEADER FOR PTFE MICROPOWDERS

- Redundant capacity in multiple locations
- 40+ years experience in PTFE irradiation
- Patented technology that allows for the recycling of PTFE

MICRONIZATION DESIGNED FOR PTFE PROCESSING AND CONSISTENCY

- Unique Milling Capability
- Precision Controls
- Innovative milling designs/techniques

TEST DATA ASTM D 3702

Testing by Lewis Research,
Lewes DE
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