



**SHAMROCK TECHNOLOGIES, INC.**  
FLUOROPOLYMERS &  
SPECIALTY WAXES  
for Personal Care Products

*Making your beauty products more desirable*

SHAMROCK

# Shamrock Products for Cosmetic Specialties

Though cosmetics adorn the outside of our bodies, it's something just below the surface of each personal care product that counts. Lipstick must stick. Nail enamel must gleam. And make-up must highlight a woman's beauty while also feeling wonderful on the skin. In each of these cases and more, SHAMROCK helps cosmetics makers to meet the needs of their consumers.

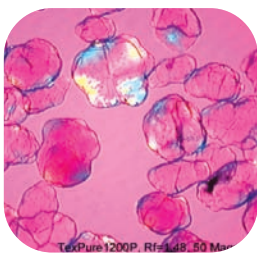
Our five special "families" of personal care products, FluoroPURE™, FluoroPURE UltraFINE™, CeraPURE™, CeraFLOW™, and TexPURE™, each contain very special properties allowing equally special effects in cosmetics preparations.

FluoroPURE™ PTFE is a family of unique fine powder cosmetic grade PTFEs, distinguished by their spherical particles. When FluoroPURE products are used in facial and eye care pressed powders, they achieve a luxurious, dry, silky feel. FluoroPURE™ UltraFINE™ PTFE is one of Shamrock's most exciting innovations and helps enhance fine sunscreen creams. CeraPURE™ PEs are carefully selected to provide the finest skin feel through uniform particle size and shape. CeraFLOW™ PEs, and TexPURE™ Spherical Polyolefin Exfoliants are highly effective while avoiding a "gritty" feel.

## Below & Beyond the Surface

Creating the finest cosmetics additives results from our complete control of particle size, shape, and uniformity. Through our experience, technical expertise, specialized equipment, and proprietary techniques, Shamrock Technologies, Inc. can match a wide array of specific additives to your critical processes.


At SHAMROCK, we have more than sixty years of practical, hands-on experience in business and technology.





Explore the Possibilities!





### DESCRIPTION


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**FluoroPURE™ 100C Series** are highly inert, white, free-flowing polytetrafluoroethylene powders with a higher surface area. They provide unique hydrophobic properties and are ideal with both dry and wet compacts, emulsions, lotions, lipstick and more.
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**FluoroPURE™ 800C Series** are highly inert, white, free-flowing polytetrafluoroethylene powders. They have a unique, narrow particle size distribution, allowing for excellent slip and hand feel. Ideally suited for all wet/dry compact, make-up color formula, skincare cream or lotion.
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**FluoroPURE™ Fiber 10C Series** are white, free-flowing polytetrafluoroethylene powders with a unique fiber shape. They provide enhanced hydrophobic and surface coverage properties to entrap oil while offering an elegant soft, silky-feel.
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**FluoroPURE™ UltraFINE Series** are PTFE dispersions in either oil (custom) or water (standard) with soft, spherical submicron particles. They provide extra application advantages for all sun care and skin care lotions, emulsions and creams, and offer SPF booster function with broad UV spectrum protection.
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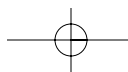
**CeraPURE™ Series** are white, free-flowing, high-density, highly crystalline polyethylene powders.
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**CeraPURE™ HC Series** are comprised of high molecular weight, free-flowing, velvety-soft spherical polyethylene powders.
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**CeraFLOW™ E Series** are 100% synthetic hydrogenated hydrocarbon fluids at varied viscosities.
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**TexPURE™ E Series** are premium grade crystalline polyethylene powders made with a controlled particle size distribution and spherical shape.
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**TexPURE™ P Series** are premium grade crystalline polypropylenes made with controlled particle size distribution and spherical shape.



PRODUCT	INCI NAME	PARTICLE SIZE AND CHARACTERISTICS	APPLICATION RECOMMENDATION
FluroPURE™ 100C FluroPURE™ 103C FluroPURE™ 109C	Polytetrafluoroethylene Polytetrafluoroethylene Polytetrafluoroethylene	1-2 μ 5 μ 0.4-0.7 μ	<ul style="list-style-type: none"> <li>Provides even application for an enhanced skin feel</li> <li>Ideal for both dry and wet compacts, emulsions, lotions, lipstick and more</li> </ul>
FluroPURE™ 807C FluroPURE™ 812C FluroPURE™ 820C	Polytetrafluoroethylene Polytetrafluoroethylene Polytetrafluoroethylene	7-9 μ 11-13 μ 18-22 μ	<ul style="list-style-type: none"> <li>Even application/coverage for an enhanced skin feel</li> <li>Ideal for dry and wet compacts, emulsions, lotions, lipstick and more</li> <li>Exceptional lubricating and adherence properties</li> </ul>
FluroPURE™ Fibers 10C	Polytetrafluoroethylene	50-90 μ	<ul style="list-style-type: none"> <li>Offers high lubricity and uniformity</li> <li>Provides higher oil absorption</li> <li>Thickens, lengthens and strengthens lashes in mascara</li> <li>Enhances wear and water resistance</li> <li>Achieves a subtle gloss finish</li> <li>Hides lines and wrinkles in sculpturing products</li> </ul>
FluroPURE™ UltraFINE 50CW (50% PTFE in water)	Polytetrafluoroethylene	0.5 μ	<ul style="list-style-type: none"> <li>Provides application convenience for wet cosmetic formula, lotion</li> <li>Even application/coverage for an enhanced skin feel</li> <li>Provides unique SPF enhancer function in sun care and skin care formulas with UV broad spectrum protection</li> </ul>
CeraPURE™ 105C-M1 CeraPURE™ 105C-M2 CeraPURE™ 105C-M3 CeraPURE™ 106C	Polyethylene Polyethylene Polyethylene Polyethylene	5 μ 8 μ 12 μ 33 μ	<ul style="list-style-type: none"> <li>Enhances the wearability of cosmetics in powder make-up formulas</li> <li>Provides lubricity and internal binder function to benefit processing of dry formula products</li> <li>Provides softness and opacity while stabilizing formulations</li> <li>Achieves a subtle gloss finish as desired</li> <li>Ideal for most cosmetic formulations</li> </ul>
CeraPure™ H540-C CeraPure™ H3-C	Polyethylene Polyethylene	15-20 μ 7-9 μ	<ul style="list-style-type: none"> <li>Enhances the wearability of cosmetics for all wet and dry cosmetic formulas</li> <li>Stabilizes formulations to provide high lubricity and uniformity in make-up formulas</li> <li>Provides softness and opacity</li> <li>Achieves a subtle gloss finish</li> <li>For use in silky and satiny cosmetic applications</li> </ul>
CeraFLOW™ E CeraFLOW™ HE	Hydrogenated Polydecene Hydrogenated Polydecene	39-41 cST 98-102 cST	<ul style="list-style-type: none"> <li>Provides water resistance and excellent gloss</li> <li>Provides high lubricity and compatibility with ester formulations</li> <li>Stabilizes formulations to provide high lubricity to process with color uniformity</li> <li>Use as a lubricant and binder broadly in make-up bases, foundations, lipsticks, mascara, nail enamel and hair care products</li> </ul>
TexPURE™ 300E TexPURE™ 400E TexPURE™ 500E TexPURE™ 600E TexPURE™ 700E	Polyethylene Polyethylene Polyethylene Polyethylene Polyethylene	40 μ 55 μ 75 μ 90 μ 130 μ	<ul style="list-style-type: none"> <li>Compatible with all vehicle systems</li> <li>Carefully controlled particle size distribution allows varying degrees of abrasiveness and scrubbing action</li> <li>Use as scrub and exfoliating agents comfortably and smoothly in soaps, face, foot and body scrubs</li> <li>Recommended as matting and texturing agent in nail enamel</li> </ul>
TexPURE™ 1200P TexPURE™ 1400P	Polypropylene Polypropylene	240 μ 380 μ	<ul style="list-style-type: none"> <li>Compatibility with all vehicle systems</li> <li>Carefully controlled particle size distribution allows varying degrees of abrasiveness and scrubbing action</li> <li>Use as scrubs and exfoliating agents comfortably and smoothly in soaps, face, foot and body scrubs</li> </ul>



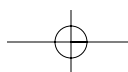
Color Cosmetics



Skin Care



Exfoliating Agents



## SHAMROCK TECHNOLOGIES, INC.

Shamrock Technologies is one of the world's largest processors of micronized polytetrafluoroethylene (PTFE), as well as a leading worldwide supplier of micronized powders, dispersions, emulsions and compounds including PTFE, polyethylene, polypropylene, fluoropolymers, custom wax alloys, natural waxes, and specialty additives. The company manufactures more than 250 products at its diversified plant in Newark, NJ, and its two state-of-the-art facilities in Kentucky. Additional Shamrock facilities are located in Tongeren, Belgium and Tianjin, China.

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*Explore the Possibilities!*



### Shamrock Recycles

For more than 60 years, Shamrock Technologies has led the way in recycling. Today, we are the world's largest recycler of PTFE. To find out more about Shamrock products and services, please call us at (973) 242-2999 or email at [marketing@shamrocktechnologies.com](mailto:marketing@shamrocktechnologies.com)

### ISO 9001 : 2000 Certified Facilities

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

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