

# **GEMINI**

**Pro-Lon PTFE Products**

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# **GEM-FLOW**

**Compounded PTFE Materials**

# GEMINI

Pro-Lon PTFE Products

Gemini headquarters is located in Rockdale Texas just outside of Austin. With a 32,000 square foot facility, we are producing virgin based compounded PTFE products as well skived and molded PTFE sheet product lines. Our quality is backed by experienced staff and an excellent quality control process.

## Virgin Resins

We carry a variety of high grade virgin and modified resins from various suppliers to ensure customers get the highest grade products on the market. From food grade to industrial applications, we have the virgin powders to suit our customers' needs and demands.

# GEM-FLOW

Compounded PTFE Materials

## High Quality Compounds

Gem-Flow is Gemini's trade name for PTFE compounds. All compounds are formulated using hand picked resins and extensive lab testing to find the most suitable fillers to enhance our compounds. At Gemini, we believe in using high grade PTFE resins as a platform to formulate quality compounds and sheet products.

## Diversity

PTFE alone is one of the most diverse and dependable plastics available. PTFE is resistant to almost all chemicals, has very low coefficient friction, and wide tolerance of temperatures ranging from -328°F to 500°F. Compounding PTFE with various additives enhances its properties, thus creating the correct material for the end user.

## Additives

- Bronze
- Carbons
- Carbon Fiber
- Ekonol
- Fiber Glass
- Graphite
- Minerals
- Molybdenum
- Polyimide
- PPS
- Stainless Steel (316L)
- Various Pigments

The listed additives are the industry standards.

\*We have the ability to custom blend any formulation to suit customer needs.

## Shipping

All Gemini manufactured powders are packages in either fiber or plastic drums with poly bags. All drums come standard 125 lbs. with certificate of analysis. Arrangements can be made to package powders to customers' desired weight to help streamline production.

## Capabilities

At Gemini, we welcome any opportunity to provide our blending services. From thousands of pounds to small samples, we can efficiently blend your desired compound while maintaining quality.

## Industry Standards

- 60% Virgin PTFE, 40% Bronze
- 40% Virgin PTFE, 60% Bronze
- 85% Virgin PTFE, 15% Carbon
- 75% Virgin PTFE, 25% Carbon
- 85% Virgin PTFE, 15% Fiber Glass
- 75% Virgin PTFE, 25% Fiber Glass
- 60% Virgin PTFE, 40% Fiber Glass
- 85% Virgin PTFE, 15% Graphite
- 95% Virgin PTFE, 5% Molybdenum
- 50% Virgin PTFE, 50% Stainless Steel

## Industry Complex

- 75% Virgin PTFE, 23% Carbon, 5% Graphite
- 80% Virgin PTFE, 15% Fiber Glass, 5% Molybdenum
- 40% Virgin PTFE, 55% Bronze, 5% Molybdenum
- 84% Virgin PTFE, 15% Glass, 1-2% Pigments

These standard compounds are readily available, and we welcome any customized blend formulations that our customers may need.

## Meeting ASTM Standards

Gemini's compounded PTFE powders are tested in-house by our lab technicians to meet and surpass all ASTM standards under...

ASTM D4745-14