

Fly Farther. Fly Quieter — Discover our Latest Ultra-High-Performance Thermoplastic Compound

LUVOCOM® 1880-50622 based on LCP, reinforced with XCF-Technology for Next-Gen Drone Propellers

Why Choose LUVOCOM 1880-50622?

- Noise Reduction: Enables up to 8 dB quieter propellers than conventional materials—ideal for urban, industrial, and stealth applications.
- Energy Efficiency: Up to 11% lower power consumption, enabling longer flight times and reduced operational costs.
- Superior Mechanical Performance:
- High impact strength and dimensional stability
- Significant weight savings compared to metals and composites

What Makes This Material Unique?

- The combination of a dedicated LCP polymer with XCF technology.
- LEHVOSS XCF advanced carbon fiber reinforcement using our proprietary technology. Offers outstanding strength and stiffness while maintaining excellent toughness.
- This compound is specially engineered for superior flow properties, enabling the production of very thin-walled components and unlocking even greater weight savings.
- Chosen for their reliability and consistency, XCF materials empower engineers to design lightweight, high-performance solutions for the most demanding applications.

Proven in Drone Applications:

- Trusted by engineers worldwide for mission-critical components: propeller blades, frames, housings, connectors, and more.
- Maximizes flight efficiency and expands operational possibilities.

Ready to Test the Future?

We invite drone and propulsion system manufacturers to validate these gains on your own platforms. Receive sample blades/material, technical support, and access to our test data.

Contact us today to schedule your test and experience the next generation in drone propulsion materials!



Want to know more? Simply contact our experts!

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