

THERMOPLASTIC SOLUTIONS FOR AEROSPACE

YOUR CATALYST FOR POLYMER INNOVATION

PLASKOLITE delivers engineered thermoplastic solutions built for demanding aerospace environments.

From interior glazing and lighting panels to flame-rated structural sheet and optical components, our materials support performance, compliance, and reliability in commercial aviation, defense, and advanced air mobility applications.

Our aerospace materials provide flame-rated performance, high optical clarity, lightweight durability, and abrasion resistance, meeting stringent FST requirements.



PRODUCT PORTFOLIO

Engineered thermoplastics supporting aircraft interiors, lighting systems, glazing and security applications while meeting rigorous aerospace standards.

» TUFFAK® AC - Aircraft Grade

- Abrasion, chemical, and weather-resistant
- Low flammability
- FAR 25.853 compliant
- Lightweight, high-impact
- Applications: Interior windows and cabin glazing

» TUFFAK LF - Flame Inhibiting

- UV-stable, flame rated sheet
- UL 94 V-0 options; FAR 25.853
- Flame-rated and impact-modified grades
- Applications: Interior glazing and partitions

» TUFFAK FI - Electrical Grade

- Clear, Non-UV stable
- UL 94 V-0 and 5VA options
- FAR 25.853 compliant
- Applications: Equipment housings and light fixtures

» TUFFAK LUMEN XT-V - Light Diffusion

- Engineered light transmission
- UL 94 V-0 and 5VA options; FAR 25.853 compliant
- Applications: Cabin lighting panels

» TUFFAK UC - Ultra Clarity

- Up to 91% light transmission
- Applications: Canopies, specialty optics and security

» Aircraft Grade Mirror

- Impact and abrasion-resistant
- Self extinguishing
- FAR 25.853 compliant
- Applications: Lavatory and decorative panels

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SPECIALTY APPLICATIONS AND CERTIFICATIONS

Our performance plastics are tested to meet stringent aerospace standards, ensuring reliability and compliance in mission-critical environments.

» Flammability and FST Compliance

- FAR 25.853 compliant grades
- OSU 55/55 and 65/65 rated materials
- UL 94 (V-0, V-1, V-2, 5VA)
- PVC, ABS, and ESD

» Advanced Air Mobility

- Lightweight, high-strength for aerial systems and next-gen aircraft
- High-clarity glazing and diffusion for canopies, windows, and interiors
- FST-compliant for safety, performance, and design flexibility

» Optical and Lighting Performance

- High light transmission materials
- Light diffusion technologies
- Abrasion-resistant coatings

» Custom Development Capabilities

- Profile extrusion with custom tooling
- NBS, BSS 7239, SMP-800C
- Specialty coating (abrasion resistant, anti-fog, reduced glare, solar reflective, anti-reflective, mirror)
- Optical-grade injection molding
- Rapid prototyping and engineering support

ABOUT PLASKOLITE

Headquartered in Columbus, Ohio with facilities on four continents; PLASKOLITE's mission is to produce innovative engineering thermoplastics the right way; through long-lasting customer relationships, hands-on customer service and responsible manufacturing.

GLOBAL
HEADQUARTERS
COLUMBUS, OH

PRIVATELY HELD
120+ PRODUCTION
LINES

2000+
EMPLOYEES

SUSTAINABILITY COMMITMENT

CONTRIBUTING TO MAKE THE WORLD A BETTER PLACE

We strive to treat our employees, our customers, our community and the world with kindness, dignity and respect.

This drives our continuing effort to perform sustainable manufacturing and create products in an environmentally-friendly manner, for generations to come using take back programs, recycling and reuse.



These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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