

The Leading Supplier of Thermoset Composite Materials

Sheet, Rod, & Tube for Demanding Applications

Atlas Fibre supplies NEMA-grade and MIL-spec thermoset composite materials in sheet, rod, and tube for distributors, fabricators, OEMs, engineers, and sourcing teams. Our inventory includes glass epoxy, glass silicone, glass polyester, and phenolic materials used in applications requiring electrical insulation, mechanical strength, dimensional stability, wear resistance, and performance in demanding environments.



COMMON MATERIALS SUPPLIED

PHENOLICS

Paper & fabric reinforced

Grades

XX · XXX · L · LE · C · CE

Best for

Electrical insulation, structural panels, gears, bushings

GLASS MELAMINE

Glass fabric reinforced

Grade

G-9

Best for

Electrical insulators, switchgear, industrial equipment

GLASS EPOXIES

Woven fiberglass reinforced

Grades

G-10 · G-11 · FR-4

Best for

PCBs, aerospace, arc barriers, high-temp insulators

AVAILABLE FORMATS

Sheet

Available from .004" through 6" thick, with sizes up to 48" × 96". Thicknesses up to 8" may be available.

Rod

Available from .031" through 6" diameter. Lengths up to 8' available.

Tube

Custom inside and outside diameters available to requested specifications.

NEMA & MIL-SPEC MATERIAL REFERENCE

MIL-SPEC	GRADE	TYPE	MIL-SPEC	GRADE	TYPE
MIL-I-24768/1	G9	GME	MIL-I-24768/14	CE	FBG
MIL-I-24768/2	G10	GEE	MIL-I-24768/15	L	FBI
MIL-I-24768/3	G-11	GEB	MIL-I-24768/16	C	FBM
MIL-I-24768/10	XXX	PBE	MIL-I-24768/17	G-7	GSG
MIL-I-24768/11	XX	PBG	MIL-I-24768/18	G-3	GPG
MIL-I-24768/13	LE	FBE	MIL-I-24768/27	FR4	GEE-F

CHECK MATERIAL AVAILABILITY

Connect with Atlas Fibre for current availability, pricing, and quick estimates on thermoset composite sheet, rod, and tube.

847-674-1234

AtlasFibre.com

Composite Machining

Complex Parts. Precision Results. Production Ready.

Atlas Fibre machines precision components from thermoset composites and advanced plastics for demanding applications where material performance, dimensional consistency, and production reliability matter. With in-house material supply, advanced machining capacity, and documented quality systems, Atlas Fibre supports customers from material selection and prototyping through repeat production.



AT A GLANCE

100+ CNC SYSTEMS	120k SQ. FT.	70 YEARS	10'x10' PARTS UP TO	AS9100 CERTIFIED	ITAR REGISTERED
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MACHINING & MATERIAL CAPABILITIES

Atlas Fibre supplies thermoset composites and produces finished components in-house, helping customers reduce qualification risk, improve traceability, and simplify the path from grade selection to finished part production. With deep inventory, material expertise, and precision machining under one roof, Atlas Fibre gives customers a more dependable resource for moving from specification to production with confidence.

Precision Machining

CNC milling, turning, routing, and multi-axis machining for prototype, short-run, and production requirements. Supports tight-tolerance components, complex geometries, blanket orders, scheduled releases, and Kanban requirements.

Multiplex Parallel Routing

For high-volume and repeat production programs, Atlas Fibre's multiplex routing platform machines multiple components in a single cycle to increase throughput, improve repeatability, and lower per-part cost.

Quality & Inspection

Advanced inspection equipment, documented processes, and reporting — including CMM inspection, 3D scanning, laser micrometers, optical comparators, and first-piece, in-process, and final inspection.

QUALITY DOCUMENTATION

FAIR **PPAP** **PQP** **SSA**

Additional reporting options upon request. Documented processes and inspection workflows support demanding quality requirements.

INDUSTRIES & APPLICATION

 Aerospace Structural laminates, radomes, insulators	 Defense Durable components, electrical insulation	 Semiconductor Test fixtures, insulators, wafer handling
 Automotive Lightweight parts, wear-resistant uses	 Energy Systems Battery and power distribution insulation	 Electrical Switchgear, transformer, standoffs

START A TECHNICAL REVIEW

Have a print, material requirement, or repeat production need? Share your drawing or specs to start a conversation about material selection and manufacturability.

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