



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: ACME517B-StageGlassCloth

Description: A straightwoven glass fabric treated with high performance epoxy resin. ACME517 meets the performance requirements for continuous class F (155 °C) service.

ACME517 strips and J spacers are commonly used in the manufacturing of turn insulation. In addition, it is sometimes used as a subslot insulator. Acme517 is often used in place of Nomex 410™ in applications where material growth and creep cannot be tolerated.

Availability:	Rolls:	English units	SI Units
		36"wx25, 50, and 100 yards on 3" diameter cores.	91cmwx23, 46, and 91 meters on 7.6cm diameter cores.
		Custom slitting .5"w–35.99"w coil on 3" diameter cores.	Custom slitting 1.3cmw–91cmw coil on 7.6cm diameter cores.

Fabricated Parts: TheGundCompany custom fabricates insulation materials to the exact specifications and drawings of our customers.

Key Characteristics:	Test Method	Units - English (SI)	Typical Values	
Tolerances	ASTMD-902	in(cm)	+/- .001(.003)	+/- .001/.0005 (.003/.001)
Base Fiberglass Thickness	ASTMD-902	in(cm)	.009(.023)	.0035(.0089)
Finished Thickness	ASTMD-902	in(cm)	.01(.025)	.005(.013)
Approximate Weight	ASTMD-902	lbs/yd ²	.7	.35
Tensile Strength (warp)	ASTMD-902	lbs/in	120	100
Gurley Stiffness	ASTMD-902	mg	3000	300
Dielectric strength	ASTMD-902	VPM(kV/mm)	1000(39)	1500(58.5)
Dissipation Factor (60Hz at 23 °C)	ASTMD-902		.25	.25
Thermal Rating	ASTMD-1830	°F (°C)	311°F (155 °C)	311°F (155 °C)

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