



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

TheGundCompany, Inc
 St. Louis, Missouri—USA
 TEL-314.423.5200
 FAX-314.423.9009

MATERIAL DATA SHEET

Item: Delmat68.660GlassEpoxyLaminate

Description: Delmat68.660 is a random glass mat based material that is bonded with high temperature epoxy resin. This material possesses excellent mechanical and dielectric properties at elevated temperatures. It is suitable for class H applications. Delmat 68.660 is UL approved under file number E70284.

Availability:	Laminate Sheets:	Thickness:	English units	SI Units
			0.12"–2"	3mm–50mm 53mm–102mm
		Sheet Sizes:	46"X53" 53"x93"	117cmx134cm 134cmx235cm
	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
Standard Color			Yellow
Density	ISO1183	lbs/in ³ (g/cc)	.067(1.85)
Water Absorption	ISO62/D-229	Mg	25
Flammability	UL94	HB	94
Impact Strength	ISO180/D-250	ftlb/in	18.7
Flexural Strength(23 °C)	ISO178/D-790	psi(MPa)	58,000(400)
Flexural Strength(150 °C)	ISO178/D-790	psi(MPa)	29,000(200)
Bonding Strength	D-229	lbs(kg)	1,236(561)
Heat Resistance	IEC216	°C	180
Minimum Arc Resistance	D-229	sec	180
Breakdown Voltage(parallel)	IEC243/D-229	kV	60
Dissipation Factor(1MHz)	IEC250/D-1502		Max.02
Relative Permittivity(1MHz)	IEC250/D-1502		Max4.6

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