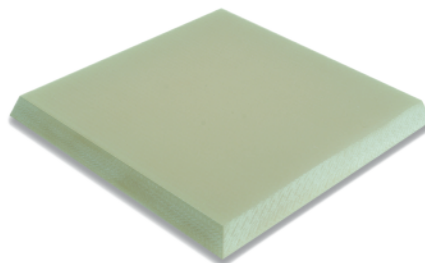


CJ832

Description 产品描述

CJ832由玻璃纤维布在高温的环境下与易加工环氧树脂制造而成。此产品能够达到NEMA FR-4或IEC EPGC202的性能要求，在高温环境下具有极好的机械强度和电气性能有UL认证。其在机械应用中的连续操作温度为130℃。

CJ832 is constructed of a woven glass fabric combined with a high temperature, easy machining epoxy resin. It is engineered to provide NEMA FR-4 or IEC EPGC202 properties, which has good mechanical strength and electrical properties at high temperatures, with UL certification. The continuous operating temperature is 130℃ in mechanical applications.



产品特点

- ▶ 耐热等级B级；
- ▶ 较好的尺寸稳定性；
- ▶ 阻燃等级为UL 94 V-1；
- ▶ 抗冲击性和耐湿性高；
- ▶ 良好的机械加工性；
- ▶ 高温环境下电气性能较好。

Features

- ▶ Heating resistance class is B;
- ▶ Good dimensional stability;
- ▶ Flame-retardant grade is UL 94 V-0;
- ▶ High impact and humidity resistance;
- ▶ Easy for processing and machining;
- ▶ Good electrical strength under high temperature;

制造能力

厚度范围

- ▶ 0.8mm – 150mm

板材尺寸

- ▶ 1219mm x 2438mm
- ▶ 1219mm x 1219mm
- ▶ 914mm x 1219mm

切割板材和加工成型件都可提供。

Manufacturing Capabilities

Thickness Range

- ▶ 0.8mm – 150mm

Sheet Size

- ▶ 1219mm x 2438mm
- ▶ 1219mm x 1219mm
- ▶ 914mm x 1219mm

Cut panels and machined parts are also available.

行业标准

- ▶ NEMA LI-1 FR-4
- ▶ IEC 60893 EPGC202

Industry Standard

- ▶ NEMA LI-1 FR-4
- ▶ IEC 60893 EPGC202

产品应用

- ▶ 机械，电气和电子的高性能绝缘结构件；
- ▶ 印刷电路板；
- ▶ 电气绝缘部件；
- ▶ 电气开关，控制柜；
- ▶ 电机，变压器；

Application

- ▶ Used in mechanical, electrical and electronic high insulation structure parts;
- ▶ Printing Circuit Board;
- ▶ Electric insulation component;
- ▶ Electric switches, control cabinet;
- ▶ Motor, transformer;

产品特性 TYPICAL PROPERTIES		测试方法 TEST METHOD	处理条件 CONDITIONING	单位 UNITS	平均值 TYPICAL VALUE		
					测试厚度 THICKNESS TESTED		
					0.0625"	0.125"	0.500"
物理性能 PHYSICAL PROPERTIES							
密度 Density		ASTM D792	NA	g/cm³	1.97	1.98	1.97
吸水性 Water Absorption		ASTM D570	D1–24/23	%	0.08	0.06	0.03
机械性能 MECHANICAL PROPERTIES							
弯曲强度 Flexural Strength	纵向(LW)	ASTM D790	A	psi	63,540	56,520	67,030
	横向(CW)		A	psi	52,300	50,170	51,000
悬臂梁冲击强度 Izod Impact Strength	纵向(LW)	ASTM D256	E–48/50	ft–lb/in	–	10.4	11.0
	横向(CW)		E–48/50	ft–lb/in	–	9.8	9.0
粘合强度 Bonding Strength		ASTM D229	A	lb	–	–	2,175
			D–48/50	lb	–	–	2,040
热性能 THERMAL PROPERTIES							
DMA法玻璃化转变温度 Tg by DMA		NA	NA	℃	130		
燃烧性 Flammability		UL Bulletin 94	A	等级	V–1	V–1	V–0

产品特性 TYPICAL PROPERTIES	测试方法 TEST METHOD	处理条件 CONDITIONING	单位 UNITS	平均值 TYPICAL VALUE		
				测试厚度 THICKNESS TESTED		
				0.0625"	0.125"	0.500"
电气性能 ELECTRICAL PROPERTIES						
介电常数 Permittivity (1MHz)	ASTM D150	A	—	4.91	4.90	4.86
		D-24/23	—	4.93	4.91	4.92
		D-48/50	—	—	4.95	—
介质损耗因素 Dissipation Factor (1MHz)	ASTM D150	A	—	0.020	0.019	0.017
		D-24/23	—	0.021	0.020	0.019
		D-48/50	—	—	0.021	—
击穿电压 Breakdown Voltage	ASTM D149	A	kVolts	60	59	52
		D-48/50	kVolts	60	61	63

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To assure the material's performance is adequate for a specific application; customers should verify, independent of Norplex-Micarta, performance characteristics of interest.

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