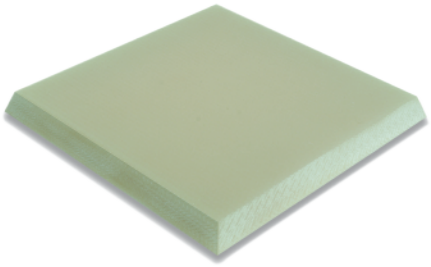
CJ835

Description 产品描述

CJ835由玻璃纤维布与环氧树脂复合而成。该材料含溴，符合NEMA FR-4或IEC EPGC202的性能要求。其在机械应用中的连续操作温度为130℃。

CJ835 is a woven glass fabric composite combined with epoxy resin system. It is engineered to provide NEMA FR-4 or IEC EPGC202 properties. This material contains bromine on the epoxy resin backbone. The continuous operating temperature is 130℃.



产品特点

- 耐热等级B级；
- 阻燃等级为UL 94 V-0；
- 较高的机械和电气性能；
- 加工性能良好。

Features

- Heating resistance class is B;
- Flame retardant grade is UL 94 V-0;
- High mechanical and electrical properties;
- Good fabrication characteristics;

制造能力

厚度范围

- 0.127mm – 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

- 0.127mm – 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

- 适合用作结构，高湿度和电气绝缘应用；
- 接线端子板，研磨载板，微电子打磨；
- 垫片，开关设备。

Application

- Structural, high humidity and electrical insulation application;
- Terminal boards, lapping carriers, microelectronics polishing;
- Gaskets, switchgears.

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	–	–	–
吸水性 Water Absorption		ASTM D570	D1–24/23	%	0.07	0.04	0.02
机械性能 MECHANICAL PROPERTIES							
弯曲强度 Flexural Strength	纵向(LW)	ASTM D790	A	psi	64,680	66,500	72,560
	横向(CW)		A	psi	53,340	51,200	53,350
悬臂梁冲击强度 Izod Impact Strength	纵向(LW)	ASTM D256	E–48/50	ft–lb/in	–	10.9	13.2
	横向(CW)		E–48/50	ft–lb/in	–	11.5	13.3
粘合强度 Bonding Strength		ASTM D229	A	lb	–	–	2,200
			D–48/50	lb	–	–	2,150
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

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电气性能 ELECTRICAL PROPERTIES						
介电常数 Permittivity (1MHz)	ASTM D150	A	–	4.87	4.90	4.87
		D–24/23	–	4.90	4.83	4.88
		D–48/50	–	–	4.86	–
介质损耗因素 Dissipation Factor (1MHz)	ASTM D150	A	–	0.019	0.017	0.016
		D–24/23	–	0.020	0.022	0.017
		D–48/50	–	–	0.019	–
击穿电压 Breakdown Voltage	ASTM D149	A	kVolts	65	65	55
		D–48/50	kVolts	61	59	66

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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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Specification writers: Contact Norplex-Micarta for specification values before submission.