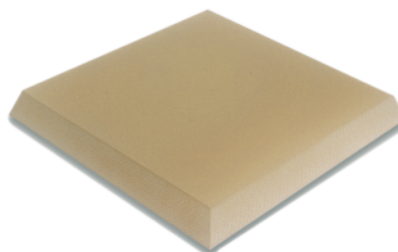


CJ845

Description 产品描述

CJ845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。此产品性能到NEMA FR-5或EPGC IEC204的性能要求，在极度高温的环境下具有极好的机械强度和电气性能。其在机械应用中的连续操作温度为155℃。

CJ845 is constructed of a woven glass fabric combined with a high temperature, easy machining epoxy resin. It is engineered to provide NEMA FR-5 or EPGC IEC204 properties, which has excellent mechanical strength and electrical properties at elevated temperatures. The continuous operating temperature is 155℃ in mechanical applications.



产品特点

- 阻燃等级为UL 94 V-0;
- 耐热等级F;
- 极好的机械性能和介电强度;

Features

- Flame-retardant grade is UL 94 V-0;
- Heating resistance class is F;
- High mechanical strength and dielectric properties;

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

- IEC 60893 EPGC204
- NEMA LI-1 FR-5

Industry Standard

- IEC 60893 EPGC204
- NEMA LI-1 FR-5

产品应用

- 高压电机;
- 高压设备的绝缘结构件;
- 高压开关柜, 变压器, 变频器, 整流器;
- 安全隔板, 衬板, 灭弧室, 隔弧板;
- 开关设备和变压器的支撑件和汇流条支架;
- 电气设备的电枢部件, 如槽楔和垫片。

Application

- High-voltage motor;
- Electrical equipment as insulating structures;
- High-tension switch cubicle, transformer, frequency changer, converter;
- Bursting disk, lining plate, arc extinguishing chamber, flash barrier;
- Strut member and bus bar supports in switchgear & transformer;
- Armature parts of electrical machine, such as slot wedge and gaskets.

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							
吸水性 Water Absorption		ASTM D570	D1–24/23	%	0.11	0.08	0.03
机械性能 MECHANICAL PROPERTIES							
弯曲强度 Flexural Strength	纵向(LW)	ASTM D790	A	psi	81,990	71,150	66,090
	横向(CW)		A	psi	74,025	61,520	64,500
	纵向(LW)		E–1/150 T150	psi	52,450	50,180	–
悬臂梁冲击强度 Izod Impact Strength	纵向(LW)	ASTM D256	E–48/50	ft–lb/in	–	18.9	21.6
	横向(CW)		E–48/50	ft–lb/in	–	19.0	19.3
粘合强度 Bonding Strength		ASTM D229	A	lb	–	–	1,700
			D–48/50	lb	–	–	1,540
热性能 THERMAL PROPERTIES							
DMA法玻璃化转变温度 Tg by DMA		ASTM D7028	A	℃	155		
燃烧性 Flammability		UL Bulletin 94	A	等级	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	—	4.7	4.7	4.8
		D-24/23	—	4.7	4.6	4.7
		D-48/50	—	—	4.7	—
介质损耗因素 Dissipation Factor (1MHz)	ASTM D150	A	—	0.016	0.016	0.021
		D-24/23	—	0.017	0.016	0.016
		D-48/50	—	—	0.017	—
击穿电压 Breakdown Voltage	ASTM D149	A	kVolts	70	77	60
		D-48/50	kVolts	61	54	41

本数据基于精确及可靠的分析方法上，仅作参考之用。此产品的任何销售行为均受其项下的销售合同条款控制。以上所提供的数据为“平均值”，不被视为“规范值”。

为了确保该材料对于某特定应用的适用性，客户不能依赖于诺普莱克斯-迈卡达所提供的材料性能特点，而应自行进行测试核实。

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数据规范编写员：提交前请联系诺普莱克斯-迈卡达获取规范值。

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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.

It is the responsibility of the users of this information to make sure that they have the latest version of this TDB, and are urged to check with Customer Service or, preferably our web site, www.norplex-micarta.asia, to determine if the information is the most current available.

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