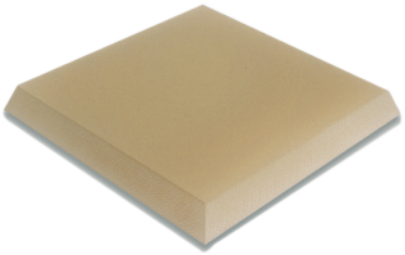
CJ855NB

Description 产品描述

CJ855NB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HEC 3242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。其在机械应用中的连续操作温度为155℃。

CJ855NB is constructed of a woven glass fabric combined with a high temperature, easy machining epoxy resin. It is engineered to provide HEC 3242 properties, which has excellent mechanical strength and electrical properties at elevated temperatures. The continuous operating temperature is 155°C in mechanical applications.



产品特点

- 耐温等级F级；
- 较好的耐湿性；
- 阻燃等级为UL 94 HB；
- 在高温环境下能保持较好的机械强度和电气性能；

Features

- Heating resistance class is F；
- Good moisture resistance；
- Flame-retardant grade is UL 94 HB；
- Good mechanical and electrical strength under high temperature；

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

- HEC 3242

Industry Standard

- HEC 3242

产品应用

- 结构，高湿环境和电气绝缘应用；
- 槽绝缘垫块材料；
- 槽楔。

Application

- Structural, high humidity, and electrical insulation applications;
- Blocking materials for slot insulation;
- Wedges for slot fillers.

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
物理性能 PHYSICAL PROPERTIES					
密度 Density		GB/T 5130–1997 Section 8.1	NA	mg	1.9
吸水性 Water Absorption		GB/T 5130–1997 Section 8.2	D1–24/23	cm^3	21
机械性能 MECHANICAL PROPERTIES					
垂直层向弯曲强度 Flatwise Flexural Strength (≥1.6mm)	纵向 LW	GB/T 5130–1997 Section 5.1	A	Mpa	645
			150 ± 2℃/1h		500
	横向 CW		A	Mpa	535
弯曲弹性模量 Flex Modulous (≥1.6mm)	纵向 LW	GB/T 5130–1997 Section 5.2	A	Mpa	25,500
压缩强度 Compressive Strength (≥10mm)	垂直层向 Perpendicular	GB/T 5130–1997 Section 5.3	A	Mpa	510
	平行层向 Parallel		A	Mpa	390
拉伸强度 Tensile Strength (≥1.6mm)	纵向 LW	GB/T 5130–1997 Section 5.7	A	Mpa	415
	横向 CW		A	Mpa	350
粘合强度 Bonding Strength (≥10mm)		GB5130–85	A	N	7720
热压收缩性 Thermal Compressive Creep		HEC 3242 Spec	NA	–	0.59
简支梁缺口冲击强度 Notched Charpy Impact Strength (≥5mm)	平行层向 (纵向) Parallel (LW)	GB/T 5130–1997 Section 5.5	A	kJ/m^2	80
	平行层向 (横向) Parallel (CW)		A	kJ/m^2	65

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
热性能 THERMAL PROPERTIES					
DMA法玻璃化转变温度 Tg by DMA		ASTM D7028	A	℃	180
电气性能 ELECTRICAL PROPERTIES					
介电常数 Permittivity 1MHz(≤3mm)		GB/T 5130–1997 Section 6.2	A	–	5.2
介质损耗因素 Dissipation Factor 1MHz(≤3mm)		GB/T 5130–1997 Section 6.2	A	–	0.03
表面电阻率 Surface Resistivity		GB/T 5130–1997 Section 6.3	A	MΩ	$1.6x10^{10}$
			D–24h/(23±2)℃		$7.5x10^{10}$
体积电阻率 Volume Resistivity		GB/T 5130–1997 Section 6.3	A	MΩ·m	$1.0x10^{9}$
			D–24h/(23±2)℃		$1.3x10^{9}$
绝缘电阻 Insulation Resistance	平行层向 Parallel	GB/T 5130–1997 Section 6.3	A	MΩ	$5.5x10^{8}$
			D–24h/(23±2)℃		$1.9x10^{8}$
击穿电压 Breakdown Voltage (>3mm)	平行层向 Parallel	IEC 60893	90±2℃ Oil	KV	>42
电气强度 Dielectric Strength (≤3mm)	垂直层向 Perpendicular	IEC 60893	90±2℃ Oil	MV/m	19

该测试结果是基于三种标准厚度得出的，分别为1.588mm(1/16")，3.175mm(1/8")和12.7mm(1/2")。

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”。

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数据规范编写员：提交前请联系诺普莱克斯-迈咔达获取规范值。

Data is obtained from three standard thicknesses – 1.588mm (1/16”), 3.175mm (1/8”) and 12.7mm (1/2”).

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. The terms and conditions of the agreement under which it is sold will govern any sales of this product. Data supplied above are "typical values"; not to be considered "specification values".

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.