

CJ835CR

Description 产品描述

CJ835CR由玻璃纤维布与环氧树脂制造而成，在低温环境下能展现出卓越的电气强度和物理性能，且在高湿度条件下依然能维持其电气性能。

CJ835CR is constructed of glass fabric with epoxy resin system, and combines excellent electrical characteristics with superior physical properties at cryogenic temperature. The electrical properties maintained in high humidity conditions.



产品特点

- ▶ 低温环境下具有卓越的电气强度和物理性能；
- ▶ 高湿条件下稳定的电气性能；
- ▶ 极低的热传导性；
- ▶ 长期的耐腐蚀性；
- ▶ 最少的更换需求和维修费用。

Features

- ▶ Superior electrical and physical properties at cryogenic temperature;
- ▶ Stable electrical properties maintained in high humidity condition;
- ▶ Very low thermal conductivity;
- ▶ Excellent long-term corrosion resistance;
- ▶ Minimal replacement and maintenance costs.

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.

产品应用

- ▶ 低温绝缘和支持；
- ▶ 低温运输存储；
- ▶ LNG管道支持；
- ▶ LNG管道垫片。

Application

- ▶ Cryogenic insulation and support;
- ▶ Cryogenic transportation and storage facilities;
- ▶ LNG pipeline supports;
- ▶ LNG pipeline 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	%	0.08	0.07	0.05
机械性能 MECHANICAL PROPERTIES							
弯曲强度 Flexural Strength	纵向(LW)	ASTM D790	A	psi	73,500	65,400	59,360
	横向(CW)		A	psi	63,700	57,320	51,580
悬臂梁冲击强度 Izod Impact Strength	纵向(LW)	ASTM D256	E-48/50	ft-lb/in	-	18.4	15.3
	横向(CW)		E-48/50	ft-lb/in	-	11.0	11.7
粘合强度 Bonding Strength		ASTM D229	A	lb	-	-	2,190
			D-48/50	lb	-	-	2,180
热性能 THERMAL PROPERTIES							
DMA法玻璃化转变温度 T _g by DMA		NA	NA	°C	120 ± 10		
燃烧性 Flammability		UL Bulletin 94	A	等级	HB		

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电气性能 ELECTRICAL PROPERTIES						
介电常数 Permittivity (1MHz)	ASTM D150	A	-	4.93	4.88	4.92
		D-24/23	-	4.95	4.92	4.93
		D-48/50	-	-	4.91	-
介质损耗因素 Dissipation Factor (1MHz)	ASTM D150	A	-	0.023	0.019	0.020
		D-24/23	-	0.022	0.020	0.021
		D-48/50	-	-	0.020	-
击穿电压 Breakdown Voltage	ASTM D149	A	kVolts	58	58	59
		D-48/50	kVolts	50	49	50

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