

弹性扁平电缆增强材料

DIALAMY[®] FC

■特性

1. 极佳的层压特性。
 - 可以无溶剂加工，因此不用担心挥发造成发泡。
 - 保持适宜的温度，从而可以进行高速层压。
2. 极佳的粘结特性。
 - 对于 PET 和镀锡铜箔具有极佳的粘结性
 - 粘结特性对温度的依赖性较低。
3. 极佳的抗粘连性
 - 极佳的处理和存储特性。

■应用

1. 弹性扁平电缆增强材料

■规格



- 双向拉伸 PET 薄膜 (125um)
- 印刷层
- 粘结层 (40um)

■特性

项目	单位	值				方法
		K2-125/40		K2-188/40		
抗拉强度	Mpa	140.5		150.2		JIS C 2318
伸长率	%	143.1		179.0		JIS C 2318
加热时的伸长率	%	P	V	P	V	JIS C 2318
		-1.3	0	-1.0	-0.1	JIS C 2318
介电击穿电压	KV	20.9		26.3		JIS C 2318

* 上述值为典型值,而非保证值。

■ 粘结特性

	等级	环境温度 (°C)										
		-20	-15	-10	-5	0	5	10	15	23	30	40
电缆 PET 面	H32	0.5	1.2	2.0	5.6	7.0	9.5	9.0	8.0	9.2	9.0	11.5
	S32	0.5	0.5	0.5	0.8	3.2	8.6	14.1	12.0	10.4	14.2	14.0
	K2	1.3	2.0	10.2	11.6	14.3	17.6	15.6	16.5	19.9	18.9	26.0
	其他	0.4	0.4	0.4	0.5	0.4	2.0	5.8	11.0	14.3	12.8	12.5
镀锡铜箔面	H32	0.5	1.2	1.2	5.6	7.0	9.5	9.0	8.0	9.2	9.0	11.5
	S32	0.5	0.5	0.5	0.8	3.2	8.6	14.1	12.0	10.4	14.2	14.0
	K2	9.0	15.8	15.0	14.0	14.5	15.0	14.0	11.1	14.1	16.0	15.2
	其他	0.2	0.2	0.2	0.2	6.0	9.4	12.2	14.7	16.9	13.6	14.9

* H32: 低温下具有极佳的粘结特性。

* S32: 特别是对金属材料具有极佳的粘结特性

* K2: 高性能等级, 具有 H32 和 S32 的特性。

* 上述值为典型值, 而非保证值。

● 层压条件

层压设备: 热封条测试仪器

• 粘结物: 弹性扁平电缆 PET 面, 镀锡铜箔面。

• 热封机

– 温度: 上加热条为 155°C, 下加热条为 130°C

– 压强: 7.8kg/cm²

– 时间: 30sec

剥离强度测量设备: 拉伸测试仪器

• 速度: 10mm/min

• 弯曲角度弯曲: 180 度角

• 温度: 环境温度

* 上述条件均为标准方法下的条件。请检查粘合剂面是否已充分加热到可以进行测试的温度。

■ Important Safeguards

Directions for safe use is prepared for the purpose of maintaining the safety of customers, your clients and property. The products carrying warning and caution notice, please read the following details.



If this product is mishandled in defiance of this sign, you may have a risk of death or serious injury.

- Absolutely do not implant, insert in the body.
- Never use for any applications for which the material will be left in the body.
- In case of using for medical devices, foodstuff, other special purpose applications, please test and make certain that you can do so safely.



If this product is mishandled in defiance of this sign, you may have a risk of serious injury and property damage.

- During forming and carrying, wear proper protective equipment to prevent possible injury to hands and fingers.
- Don't use for foodstuff.
- Avoid inhaling of bromine containing smoke generated by burning Dialamy film with other combustible material.
- Avoid to store the area that are wet, hot or humid, or place of direct sunlight. Store in a cool and dark place.
- Dispose of the scrap as incombustible waste material.