

難燃性聚酯薄膜

DIALAMY[®]

■特性

1. 噴塗、層壓、切割、彎曲、擊打以及其他作業，與一般聚酯薄膜作業一樣容易
2. 耐熱性、物理和電氣性質，以及化學物質耐受性與一般聚酯薄膜相同
3. 多種厚度 (40 μm ~ 500 μm)
4. 使用非PBB、非PBDE難燃劑

■用途

1. 電子設備零件和元件
2. 電子絕緣板
 - 200 μm ~ 500 μm : 馬達、轉換機、可選開關電源、影印機
3. 電路板
 - 100 μm ~ 200 μm : 平板加熱器的基板
 - 70 μm ~ 130 μm : 膜狀開關基板

■規格

厚度 (μm)	卷		板		
	寬度 (mm)	長度 (m)	尺寸		片數
			寬度 (mm)	長度 (mm)	
40	500	100	/	/	/
	1000	100			
50	500	100	1000	500	200
	1000	100			
70	500	100	1000	500	200
	1000	100			
100	500	100	1000	500	100
	1000	100			
130	500	100	1000	500	100
	1000	100			
200	500	100	1000	500	100
	1000	100			
270	500	100	1000	500	100
	1000	100			
340	500	50	1000	500	50
400	500	50	1000	500	50
500	500	50	1000	500	50

歡迎洽詢其他尺寸與顏色。

■性質

Dialamy (厚度：100μm)

	測試項目		單位	資料	測試方法
物理性質	抗拉強度	MD	kgf/mm ² {Pa}	16{15.7x10 ³ }	JIS C2318
		TD		16 {15.7 x 10 ³ }	
	伸長率	MD	%	110	
		TD		100	
	邊緣抗撕裂性	MD	kgf/20 mm	51{500}	
		TD	{N/20 mm}	58{568}	
	彎曲強度	MD	—	37000	JIS P8115
TD			39000		
吸水率			%	0.7	ASTMD570
電氣性質	介電擊穿電壓		kV	13.6	JIS C2318
	介電常數	1 KHz	—	3.8	
		1 MHz		3.0	
	介電損耗	1 KHz	—	4x10 ⁻²	
		1 MHz		3x10 ⁻²	
表面電阻率			Ω·cm	4x10 ¹⁵	
熱性質	熱收縮	MD	%	1.4	ASTDMD696
		TD		-0.2	
	熱膨脹係數		cm/cm/°C	3x10 ⁻⁵	
	難燃性	—	—	VTM-0	
氧氣數字		—	28	JIS K7201	
光學性質	光傳輸率		%	46	JIS K7105
	模糊率		%	95	
化學性質	弱酸・弱鹼：良好 濃硫酸、濃鹽酸：不佳 酒精和碳氫化合物：良好 油和脂肪：良好 酮、酯、氯化物：良好 酚：不佳				

上述值為典型值，並非保證值。

■ Important Safeguards

Directions for safe use is prepared for the purpose of maintaining the safety of customers and your clients and property. The products carrying warning and caution, read 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 areas that are wet or hot and humid or place of direct sunlight. Storage in a cool and dark place.
- Dispose of the scrap as incombustible waste material.