

深圳市衆人行科技發展有限公司

地址：深圳市寶安區西鄉大道合正匯一城1A棟東座2720-2721

電話：0755-88359791

傳真：0755-88359792

HEBA180 產品規格說明書

Construction(結構圖)：

Hard coating Layer (硬化塗層霧面壓紋)
PET 基材

保護膜	→ (25 μm)	
AG5%	→ UV 硬化層	(15±3 μm)
基材	→ PET	(188 μm)
保護膜	→ (25 μm)	

依客戶需求選擇保護膜材質、双面覆膜、單面覆膜、双面不覆膜。

Product Data (產品資料)

HEBA180		Test Method/Condition (測試方法/條件)
Thickness of hard coating Effect (硬化塗層效果)	AG5%	霧度壓紋
Thickness of hard coating layer (硬化塗層厚度)	15±3 μm	光學測厚儀 ETA
Thickness of PET Film(PET 底材厚度)	188 μm	
SPECIFIC GRAVIT(比重)	1.3g/cm3	ASTM D792
Water Absorption Equilibrium, 24hr(平均吸水率)	0.2%	ASTM D570
Tensile Strength(伸展強度)	MD 179Mpa TD 197Mpa	JIS C-2318
Elongation(延伸率)	>110%	JIS C-2318
Impact strength @ 10mils(沖擊強度)	120In-lbs	JIS-K6745
Tear Strength Propagation(撕裂強度)	>30g/mil	ASTM D1922
Vicat Softening Temperature(維卡軟化點)	135°C	ASTM D1525
Strain Relief@135°C(熱收縮率)	<0.6%	ASTM D1204
Surface tension	>32	dyne
Dielectric Strength (@ 10mils) (介電強度)	1700V/mil	ASTM D149
體積絕緣 Volume Resistivity@25°C, 50%RH	10160hm-cm	ASTM D257
表面絕緣 Surface Resistivity@25°C, 50%RH	1015Ω/□	ASTM D257
UL 防火等級 UL Flammability		UL BULLETIN 94
@ ≥10 mils	V-2	UL94
@ <10 mils	VTM-2	UL94
Optical Property (光學特性)	Transmittance 透光率	91±3% JIS K 7105
	Haze 霧度	5±2% JIS K 7105
Adhesion(附著度)	百格測試	100/100 百格刀/ 3M600測試膠帶

Abrasion Resistance(耐磨性)		無刮痕或亮痕	羊毛氈(200g)PASS
Hardness(5N)(硬度)	PencilHardness 鉛筆硬度	F~H	皮模鉛筆硬度計
Hot Water Resistance (熱水測試)		pass	80°C 30mins
Humidity Resistance (高溫高濕測試)		pass	60°C*90%RH*500Hrs
Solvent Resistance (抗溶劑測試)	Ethyl acetate	pass	24Hrs
	Toluene	pass	24Hrs
	Acetone	pass	24Hrs
	MEK	pass	24Hrs
	PGMEA	pass	24Hrs
	PM	pass	24Hrs
	IPA	pass	24Hrs
	EtOH	pass	24Hrs
	NBac	pass	24Hrs
	Cyclohexanone	pass	24Hrs
Chemical Resistance (抗化學藥劑測試)	40% NaOH	pass	24Hrs
	2% HCl	pass	24Hrs

※上述數據皆為測試數據, 不具任何保證