

深圳市衆人行科技髮展有限公司

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HEBA130 產品規格說明書

Construction(結構圖)：

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|-------------------------------|
| Hard coating Layer (硬化塗層霧面壓紋) |
| PET 基材 |
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|------|-----------|-----------|
| 保護膜 | → (25 μm) | |
| AG5% | → UV 硬化層 | (15±3 μm) |
| 基材 | → PET | (125 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)

| HEBA130 | | 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) | 125 μm | |
| SPECIFIC GRAVIT(比重) | 1.3g/cm ³ | 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 |
| Chemical Resistance (抗化學藥劑測試) | Cyclohexanone | pass | 24Hrs |
| | 40% NaOH | pass | 24Hrs |
| | 2% HCl | pass | 24Hrs |

※上述數據皆為測試數據, 不具任何保證