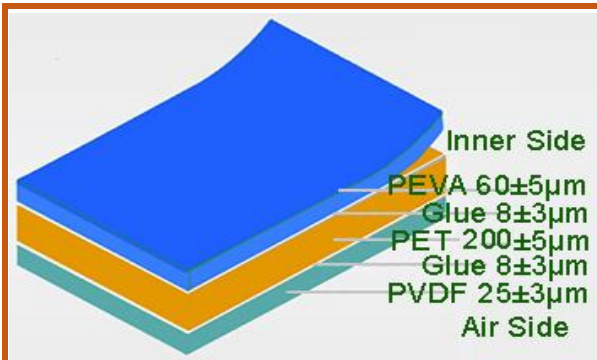


## ITEM No./ 型号 : KPE-JM30



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Stock Code/股票代码 : 838874

White or Black Color



|   |                           | Unit<br>单位          | Quoted Standard<br>测试标准              | Industry's<br>Standard  | Testing<br>Result     |
|---|---------------------------|---------------------|--------------------------------------|---|-----------------------|
| Film Thickness<br>背膜厚度                                    | Nominal Thickness<br>标称厚度 | µm                  | Micrometer<br>ASTM E252              | 310±10%   | 318                   |
| Inner Side Reflection 反光率                                 |                           | %                   | Wave L 400-1000                      | ≥78   |                       |
| Tensile Strength (MD) 抗张强度                                |                           | Mpa                 | ASTM D-882                           | ≥100  | 115                   |
| Tensile Strength (TD) 抗张强度                                |                           | Mpa                 | ASTM D-882                           | ≥100  | 118                   |
| Elongation at Break (MD) 断裂伸长率                            |                           | %                   | ASTM D-882                           | ≥100  | 112                   |
| Elongation at Break (TD) 断裂伸长率                            |                           | %                   | ASTM D-882                           | ≥100  | 109                   |
| Shrinkage 150°C X 30min (MD) 收缩率                          |                           | %                   | ASTM D-1204                          | ≤1.5  | 0.95                  |
| Shrinkage 150°C X 30min (TD) 收缩率                          |                           | %                   | ASTM D-1204                          | ≤1.0  | 0.65                  |
| PVDF/PET Peel Strength 层间剥离力                              |                           | N/10mm              | ISO8510                              | ≥4  | 5.15                  |
| BS/EVA Peel Strength(initial) 与EVA粘接力                     |                           | N/15mm              | ASTM D-903                           | ≥60   | 110                   |
| BS/Silicon Adhesiveness 与硅胶粘接力                            |                           | N/10mm              | GB/T31034-2014                       | ≥10   | 12                    |
| Breakdown Voltage 击穿电压                                    |                           | KV                  | ASTM D-149 AIR                       | ≥20   | 20.35                 |
| Partial Discharge/System Voltage 局部放电                     |                           | VDC                 | IEC 60664-1                          | ≥1000   | 1065                  |
| WVTR 38°C 90%RH 水汽透过率                                     |                           | g/m <sup>2</sup> .d | ISO15106.3                           | ≤2.0  | 1.78                  |
| Coating Adhesion 涂层附着力                                    |                           | Level               | ISO2409( Cross-Cut)                  | N/A   | N/A                   |
| Volume Resistivity 体积电阻率                                  |                           | Ω.m                 | GB/T31034-2014                       | ≥1.0*10 <sup>13</sup>   | ≥1.0*10 <sup>13</sup> |
| Falling Sand Test (Airside) 空气面落沙实验                       |                           | L                   | ASTM D-968                           | ≥200  |                       |
| CTI 相对漏电起痕指数  |                           | V                   | IEC60112                             | 600V  |                       |
| Boiling Water treatment 沸水处理                              |                           | 24hrs               | GB/T31034-2014                       | Δb≤2,no bubble, no delamination,no fold, no crack, discoloration      |                       |
| Acid Resistance 耐酸性                                       |                           | \                   | GB/T31034-2014                       |   |                       |
| Alkali Resistance 耐碱性                                     |                           | \                   | GB/T31034-2014                       |   |                       |
| Salt spray resistance 耐盐雾性                                |                           | \                   | GB/T31034-2014                       |   |                       |
| Solvent Resistance 耐溶剂性                                   |                           | \                   | GB/T31034-2014                       |   |                       |
| Damp-Heat 1000hrs 耐湿热老化 1000小时                            |                           | 85°CX85%RH          | ASTM DE313<br>ASTM D-882<br>ISO 8510 | Yellow Index ≤2.0 ;<br>PVDF/PET Peel Strength≥3.5;<br>Elongation ≥50% |                       |
| UV Pretreatment 紫外预处理 60kwh/M2                            |                           | UVA+UVB             |                                      |   |                       |
| Hot&Cold Cycle Processing 冷热循环 (-40~85°C, 6h/cycle)       |                           | 200 cycles          |                                      |   |                       |
| Damp-Frozen Processing 湿冻处理 (-40~85°C, 85%RH, 24h/cycle ) |                           | 10 cycles           |                                      |   |                       |

**Note:** Test Condition: Temperature 23±2°C, Humidity 50±10% RH

The specifications and data covered in above datasheet may vary slightly with continuous innovation and improvement in comparison to actual product. JINGMAO reserves the right to adjust above information accordingly at any time without prior notice.