

## ITEM No./ 型号 : FPF-JM27



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Stock Code/股票代码 : 838874

White or Black Color



		Unit 单位	Quoted Standard 测试标准	Manufacturer's Standard	Testing Result
Film Thickness 背膜厚度	Nominal Thickness 标称厚度	µm	Micrometer ASTM E252	270±15	265
Inner Side Reflection 反光率		%	Wave L 400-1000	≥78	
Tensile Strength (MD) 抗张强度		Mpa	ASTM D-882	≥100	145
Tensile Strength (TD) 抗张强度		Mpa	ASTM D-882	≥100	128
Elongation at Break (MD) 断裂伸长率		%	ASTM D-882	≥100	125
Elongation at Break (TD) 断裂伸长率		%	ASTM D-882	≥100	118
Shrinkage 150°C X 30min (MD) 收缩率		%	ASTM D-1204	≤1.5	0.85
Shrinkage 150°C X 30min (TD) 收缩率		%	ASTM D-1204	≤1.0	0.48
PVDF/PET Peel Strength 层间剥离力		N/10mm	ISO8510	≥4	N/A
BS/EVA Peel Strength(initial) 与EVA粘接力		N/15mm	ASTM D-903	≥60	70
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	20.8
Partial Discharge/System Voltage 局部放电		VDC	IEC 62788	≥1000	1035
WVTR 38°C 90%RH 水汽透过率		g/m <sup>2</sup> .d	ISO15106.3	≤2.0	1.95
Coating Adhesion 涂层附着力		Level	ISO2409( Cross-Cut)	0	0
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	≥120	
CTI 相对漏电起痕指数		V	IEC60112	500V	
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 ASTM D-882 ISO 8510	Yellow Index ≤2.0 ; PVDF/PET Peel Strength≥3.5; 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.