



背板

产品技术参数

PRODUCT TECHNICAL PARAMETERS

BD-BPF-TPT类产品性能指标 (BD-BPF-TPT Products Performance Indicators)

		计量单位	检测方法	数据标准	试验结果	
		Measurement unit	Detection method	Data standard	Test results	
常规试验 Regular test	厚度	μm			300	350
	PTFE/PT/PTFE	μm			25/25/25	25/300/25
	单位重量	g/m ²			440	510
	宽幅范围	mm			550-1200	550-1200
	包装长度	m			100	100
	收缩率150℃×30min	% (TD)	ASTM D-1204-2008	≤1.0	0.65	0.46
	Dimensional Stability	% (MD)		≤1.5	0.95	0.9
	抗张强度	N/mm ² (TD)	ASTM D-882-2009	≥110	125	130
	Tensile Strength	N/mm ² (MD)		≥130	130	140
	伸长率	% (TD)	ASTM D-882-2009	≥90	98	110
	Elongation	% (MD)		≥100	115	125
	与EVA粘接强度	N/10mm	GB/T 2790	≥40	45	45
	EVA-Peel Strength of Layers					
	与硅胶粘接强度	N/cm ²		≥5	8	8
	硅胶 gel sticky relay					
常规老化/ 快速老化 Normal aging / Rapidly aging	局部放电电压	VDC	IEC 60664-1	≥1000	1100	1130
	Partial discharge voltage					
	击穿电压强度	KV/mm	ASTM D-149	≥50	70	76
	Breakdown Voltage					
其他试验 Other experiments	水蒸气透过率	g/m ² .d	ASTM F-1249	≤3.0	1.6	1.3
	Water Vapor Permeability					
	人工辐射暴露	h	GB/T 16422	≥2000	2200	2286
	(QW-B) Exposure to artificial Radiation					
	耐湿热老化试验	h	GB/T13448	≥1000	1240	1258
	Resistance to heat aging test (85℃×85%RH)					
	外观			无黄变无裂纹无脱层 No yellow cracking off without no layer	无黄变无裂纹无脱层 No yellow cracking off without no layer	无黄变无裂纹无脱层 No yellow cracking off without no layer
	Appearance					
	层间剥离强度	N/cm	GB/T 5210	衰减 attenuation ≤50%	无衰减 No attenuation	无衰减 No attenuation
	Peel Strength of layer					
	对EVA粘接强度	N/cm	GB/T 2790	衰减 attenuation ≤50%	无衰减 No attenuation	无衰减 No attenuation
	EVA-Peel Strength of Layers					
	对硅胶粘接强度	N/cm ²		衰减 attenuation ≤50%	无变化 No change	无变化 No change
	Silica Gel Sticky Relay					
	耐酸性		GB/T 17748	5% HCl (V/V), 48h 无变化 No change	无变化 No change	无变化 No change
	Acid proof					
	耐碱性		GB/T 17748	5% NaOH (m), 24h 无变化 No change	无变化 No change	无变化 No change
	Alkaline					
	耐溶剂性		GB/T 17748	丁酮擦拭100次无变化 Butyl ketone scrub 100 times without change	不脱落 Don't show	不脱落 Don't show
	Solvent Resistance					
	耐冲击性		GB/T 17748	1kg, 50cm不脱落、无裂纹 Don't take off paint, no crack	不脱落、无裂纹 Don't take off paint, no crack	不脱落、无裂纹 Don't take off paint, no crack
	Resistance to impact					
	耐温变性		GB/T 17748	(-40℃~80℃) 20次循环无变化 (-40℃~80℃) 20 times cycle had not changed	无变化 No change	无变化 No change
	Heat resistance of poor					

注:
1. 可选颜色: W (白色), BK (黑色), BL (蓝色), TR (透明), 根据要求可选其他颜色。
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Note:
1. can choose color: W (white), BK (black), BL (blue), TR (transparent), according to the requirements can be selected a for colors.
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