

半固化片 (LYPP—140) 性能表 PERFORMANCE LIST OF LYPP—140

规格型号 Fabric style	树脂含量 Resin content (%)	树脂流量 Resin Flow (%)	胶化时间 Gel Time (Sec)	压合厚度 Thickness (mil)	挥发份 Volatile (%)
7628HR	49 ± 3	28 ± 5	135 ± 20	8.6 ± 0.7	0.5 ↓
7628MR	45 ± 3	25 ± 5	140 ± 20	7.5 ± 0.7	
7628LR	43 ± 3	22 ± 5	140 ± 20	7.0 ± 0.7	
1506HR	52 ± 3	31 ± 5	145 ± 20	6.2 ± 0.5	
1506MR	47 ± 3	25 ± 5	145 ± 20	6.0 ± 0.5	
2116HR	58 ± 3	36 ± 5	140 ± 20	5.0 ± 0.5	
2116MR	55 ± 3	32 ± 5	145 ± 20	4.5 ± 0.5	
2116MR	53 ± 3	30 ± 5	145 ± 20	4.2 ± 0.5	
2116LR	50 ± 3	26 ± 5	150 ± 20	4.0 ± 0.5	
1080HR	68 ± 3	43 ± 5	145 ± 20	2.5 ± 0.5	
1080MR	63 ± 3	34 ± 5	145 ± 20	2.3 ± 0.5	

基板规格表 SPECIFICATION

基板厚度 (THICKNESS)		铜油	含铜	不含铜	厚度公差标准
mm	mil	Copper Foil	In Cluding Copper	Not In Cluding	Thickness Toleran Standard (mil)
0.1		4		✓	±0.7
0.13		5		✓	±0.7
0.15		6		✓	±0.7
0.2		8		✓	±0.8
0.25		10	✓		±1.1
0.3		12		✓	±1.2
0.35		14		✓	±1.4
0.38		15		✓	±1.5
0.4		16		✓	±1.5
0.5		20		✓	±2
0.6		24	1oz ✓		±2
0.6		24	Hoz ✓		±2
0.8		31	1oz ✓		±3
0.8		31	Hoz ✓		±3
0.9		35	1oz ✓		±3
0.9		35	Hoz ✓		±3
1.0		39	1oz ✓		±3
1.0		39	Hoz ✓		±3
1.1		43	1oz ✓		±3
1.1		43	Hoz ✓		±3
1.2		47	1oz ✓		±3
1.2		47	Hoz ✓		±3
1.3		51	1oz ✓		±3
1.3		51	Hoz ✓		±3
1.5		59	1oz ✓		±4
1.5		59	Hoz ✓		±4
1.6		63	1oz ✓		±4
1.6		63	Hoz ✓		±4
2.0		78	1oz ✓		±7
2.0		78	Hoz ✓		±7
2.4		94	1oz ✓		±8
2.4		94	Hoz ✓		±8
3		118	1oz ✓		±10
3		118	Hoz ✓		±10

产品特性 CHARACTERS (LYCCL-140)

特性名称	单位	测试条件	规范标准	典型值
Characteristic Item	Unit	Condition	Spec	Typical Value
玻璃转化温度 (T _g)	℃	E-2/105	135±5	13
热应力 Thermal stress(uncherched)	Sec	288℃浸锡	20Sec不分层起泡	Pass
热应力 Thermal stress(etched)	Sec	288℃浸锡	10Sec不分层起泡	Pass
压力锅测试 (PCT)	Sec	PCT0.5h 288℃ 浸锡	10Sec不分层起泡	Pass
Z轴膨胀系数Z-CTE(T _g 前)α1	PPM/℃	E-2/105	—	45-60
Z轴膨胀系数Z-CTE(T _g 后)α2	PPM/℃	E-2/105	—	280-320
耐漏电起痕指数 (CTI)	v	A	—	175
吸水率 Moisture Absorption	%	D-24/23	≤0.80	0.15
表面电阻 Surface Resistance	MΩ	C-96/35/90	>10 ⁴	>10 ⁶
体积电阻 Volume Resistance	MΩ	C-96/35/90	≥10 ⁶	>10 ⁷
介电常数 Dielectric Constant	—	C-24/23/50	≤5.4	4.5
介质损耗角正切 Loss Tangent(1MHz)	—	C-24/23/50	≤0.035	0.02
击穿电压 Dielectric Breakdown	KV	D-48/50	≥40	50
耐电弧 Arc Resistance	Sec	D-48/50+D -0.5/23	≥60	90
燃烧性 Flammability	—	UL-94	V-0	Pass
剥离强度 Peel Strength	Lb/in (N/MM)	Cond.A	17U	35U
			4.5	6
翘曲度 Warp	%	A 厚度≥0.5mm试 样最大尺寸300mm	≤1.0	0.3
弯曲强度 Flexural Strength	纵向 (n/mm ²)	A	≥415	550
	横向 (n/mm ²)	A	≥345	360