

## Y-920GT/Y-920GTP

### High light transmittance Laminate

#### 产品特点:

- 无卤、高透光率
- 高机械强度
- 优秀的机械加工性能

#### 应用领域

显示屏

#### 产品标准资料

基板厚度: 0.002"-0.126" (0.05-3.2mm)

#### Key Features

- Halogen free and High light transmittance
- High machine strength
- Excellent mechanical processability

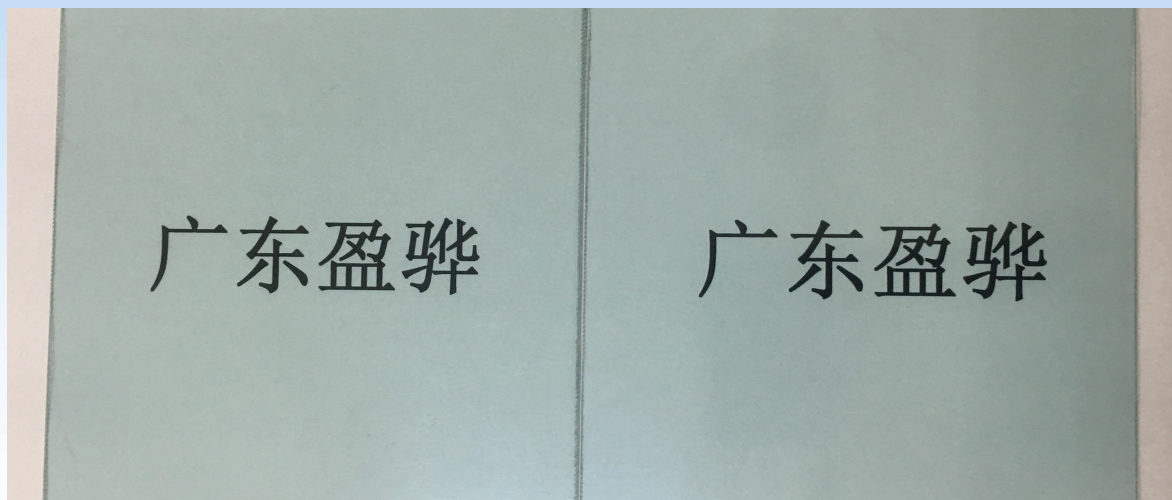
#### Applications

Display screen

#### Standard Availability

Thickness: 0.002" 【0.05mm】 to 0.126" 【3.2mm】

### 耐高温黄变测试 High-temperature and yellowing-resistance test



板材无处理  
Untreated

板材 180°C\*30min 烘烤后  
After baking at 180 °C for 30min

## General properties

Property	Item	IPC-TM-650/GB	Test Condition	Units	Typical value	
热性能 Thermal	玻璃化转变温度 Glass Transition Temperature	2.4.24.4	DSC	°C	140	
	热失重(weight loss 5%) Decomposition temperature	2.4.24.6	TGA	°C	390	
	X,Y 轴方向膨胀系数 X,Y-CTE	2.4.24.5	TMA	ppm/°C	15~17	
	Z 轴方向膨胀系数 Z axis-CTE	2.4.24	TMA, Before TG	ppm/°C	51	
			TMA, After TG	ppm/°C	298	
			50~260°C	%	4.2	
288°C 热冲击 Thermal stress	2.6.8	288°C, solder dip	s	>300		
物理性能 Physical	透光率 High transmittance	GB/T 2410-2008	A Thickness:0.10mm	%	86	
	透光率 High transmittance	GB/T 2410-2008	180°C/30min; Thickness:0.10mm	%	85	
	卤素含量 Halogen Content 氯 Chlorine 溴 Bromine 氯+溴 Chlorine+ Bromine	2.2.41	A	ppm	<900 <900 <1500	
	弯曲强度 Flexural Strength	LW CW	2.4.4	A	MPa	480
						430
	弯曲模量 Flexural modulus	JB/T 6544-1993	A	GPa	22	
	吸水率 Moisture Absorption	2.6.2.1	D-24/23	%	0.17	
电性能 Electrical	体积电阻 Volume Resistivity	2.5.17.1	C-96/35/90	MΩ-cm	>10 <sup>8</sup>	
	表面电阻 Surface Resistivity	2.5.17.1	C-96/35/90	MΩ	>10 <sup>8</sup>	
	Dk (RC50%)	2.5.5.9	1GHz;C-24/23/50	/	4.1	
	Df (RC50%)	2.5.5.9	1GHz;C-24/23/50	/	0.023	

Specimen thickness: 0.1mm or 0.8mm. Test Method is according to IPC TM-650 or National Standard Test Method.