



SB120

Semi-flex CCL

FEATURES

- High peel strength
- Excellent flexibility performance
- Excellent process ability, punching compatible
- Excellent thermal reliability and electrical properties

APPLICATIONS

Suitable for communication and Auto production with semi-flex performance.

GENERAL PROPERTIES

Test Items	Test Method	Test Condition	Unit	Typical Value
Tg	IPC-TM-650 2.4.25D	DSC	°C	125
Td	IPC-TM-650 2.4.24.6	TGA (5% W.L)	°C	315
T288	IPC-TM-650 2.4.24.1	TMA	Min	3
T260	IPC-TM-650 2.4.24.1	TMA	Min	30
Thermal Stress	IPC-TM-650 2.4.13.1	288°C, solder dip	s	60
Volume Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ-cm	5.0×10 ⁸
Surface Resistivity	IPC-TM-650 2.5.17.1	C-96/35/90	MΩ	5.0×10 ⁷
Arc Resistance	IPC-TM-650 2.5.1	D-48/50+D-0.5/23	s	100
Dielectric Breakdown	IPC-TM-650 2.5.6	D-48/50+D-0.5/23	kV	>45
Peel Strength (1oz)	IPC-TM-650 2.4.8	288°C/10s	N/mm [lb/in]	1.9 [10.86]
Flexural Strength (LW/CW)	IPC-TM-650 2.4.4	A	Mpa	410/340
Water Absorption	IPC-TM-650 2.6.2.1	D-24/23	%	0.15

Remarks: All the typical value listed above is for your reference only, please turn to ShengYi Technology Co., Ltd. for detailed information, and all rights from this data sheet are reserved by ShengYi Technology Co., Ltd.

PURCHASING INFORMATION

Thickness	Copper foil	Standard size
0.05mm to 0.30mm	18um to 35 um	1,020mm ×1,220mm(40"×48") 915mm ×1,220mm(36"×48") 1,070mm ×1,220mm(42"×48")

Remarks: Other sheet size and thickness could be available upon request.