



**Phenolic Resin Laminate**

**Characteristic: Excellent for CNC**

**Application: Electronic, electrical components**

**SPECIFICATION**

Thickness (mm): 0.2~80

Dimension(mm):1020 x 1020 、 1020 x 1220

RESIN & BASE	Phenol Resin Paper	Phenol Resin Paper	Phenol Resin Cotton Cloth
Product Code	SRB 1200N; SRB 1200K	SRB1200NC	SRB1200LE
Color	Orange; Black	Light Orange	Dark Orange (Coffee)
NEMA Grade	XP	XPC	LE
Dielectric Breakdown Perpendicular To Lamination	10 KV/mm (OK)	10 KV/mm (OK)	10 KV/mm (OK)
Insulation Resistance	10 <sup>11</sup> ~10 <sup>12</sup> W-cm	10 <sup>10</sup> ~5x10 <sup>11</sup> W-cm	10 <sup>12</sup> ~10 <sup>15</sup> W-cm
Dielectric Constant (1MHZ)	4.6~5.3	5.2~5.8	4.5~5.5
Dissipation Factor (1MHZ)	0.043~0.047	0.07~0.08	0.05~0.06
Flexural Strength (Cross-Wise)	12~14 kg/mm <sup>2</sup>	12~14 kg/mm <sup>2</sup>	13~18 kg/mm <sup>2</sup>
Heat Resistance	120分 x 120° C	120分 x 120° C	120分 x 120° C
Impact Strength	-	-	6~8.5 kg. Cm/cm
Compressive Strength Perpendicular To	-	-	29~34 kg/mm <sup>2</sup>
Compressive Strength Paraleled To Lamination	-	-	20~24 kg/mm <sup>2</sup>
Bonding Strength	-	-	700~900 kg.
Water Absortion	1.2~16 %	1.2~2 %	0.3~0.4 %
Punchability	140° C~160° C Good	32° C~65° C Very Good	-