



## Phenolic XX (Paper)

Various grades of Phenolic laminated sheet stock

	PAPER PHENOLIC XXX	CANVAS PHENOLIC CE	LINEN PHENOLIC LE	ROLLED / MOLDED PHENOLIC L
<b>SPECIFIC GRAVITY</b>	1.38	1.37	1.34	1.35
<b>TENSILE STRENGTH (psi)</b>	13,000	10,000	13,000	12,000
<b>COMP. STRENGTH(psi)</b>	35,000	36,000	36,000	19,000
<b>FLEXURAL STRENGTH (psi)</b>	22,000	17,000	18,000	16,000
<b>HARDNESS, M SCALE</b>	101	100	100	105
<b>BOND STRENGTH(psi)</b>	1200	1900	1900	1600
<b>SHEAR STRENGTH(psi)</b>	12,800	14,000	13,500	N/A
<b>DISSIPATION FACTOR 10<sup>6</sup> cycles, Cond A</b>	.035	N/A	.065	N/A
<b>DIELECTRIC CONSTANT 10<sup>6</sup> cycles, Cond A</b>	5.1	5.5	5.7	N/A
<b>ELECTRIC STRENGTH V/MIL Cond A</b>	700	550	625	N/A
<b>FLAMMABILITY RATING</b>	94HB	94HB	94HB	94HB
<b>MAX OPER. TEMP °C</b>	140	125	125	125
<b>COEFF. THERMAL EXP. IN/IN/°C X 10-5</b>	1.5	2.0	1.9	1.5
<b>WATER ABSORPTION % - 24 hrs</b>	.57	2.0	1.9	1.5
<b>MILITARY/FED SPEC</b>	Mil-I- 24768/10 Type PBE	Mil-I- 24768/14 Type FBG	Mil-I- 24768/13 Type FBE	Mil-I- 24768/15 Type FBI



All values given are average based on test samples. The performance characteristics attributed to the products described herein are based on assumptions of general and reasonable use. As results cannot be predicted or guaranteed for any specific set of conditions, each user should make their own determination of these products suitability for their particular application.