

Paper Phenolic

Atlas Fibre Company Technical Data Sheet for Phenolic XX and XXX

	Paper	Paper
Properties	Phenolic XX	Phenolic XXX
Military / Federal Spec	Mil-l-24768/11	Mil-l-24768/10
	Type PBG	Type PBE
Specific Gravity	1.35	1.38
Tensile Strength (psi)	17,000	13,000
Compressive Strength (psi)	35,000	35,000
Flexural Strength (psi)	34,000	22,000
Hardness, "M" Scale	120	101
Bond Strength (psi)	1,500	1,200
Shear Strength (psi)	11,500	12,800
Dissipation Factor		
10 ⁶ cycles, Cond A	0.040	0.035
Dielectric Constant		
10 ⁶ cycles, Cond A	5.30	5.10
Electric Strength		
V/MIL Cond A	750	700
Flammability Rating	94HB	94HB
Max Operating Temp, °C	140	140
Coefficient of Thermal Expansion		
IN/IN/°C x 10 ⁻⁵	1.20	1.50
Water Absorbtion		
% - 24 hrs	2.00	0.57

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. 08/2014.