



Paper (X, XX, XXX, XP)
General Material Properties

Property	Metric	units	English	units
Mechanical				
Compressive Strength	1.7e8 - 3.4e8	Pa	25000 - 49000	psi
Tensile Strength	9.3e7 - 1.7e8	Pa	13.5 - 25.5	psi
Hardness (Rockwell M)	75 - 105		75 - 105	
Flexural Strength	1.31e8 - 2.34e8	Pa	19000 - 34000	psi
Impact Strength (notched)	0.27 - 0.44	J/cm	0.5 - 0.82	ft.lbf/in
Young's Modulus	6.89e9 - 1.3e10	Pa	1.0 - 1.9	10 ⁶ psi
Thermal				
Max Service Temperature	130 - 140	°C	266 - 284	°F
Insulator or Conductor	Insulator		Insulator	
Thermal Expansion Coefficient	9.97e-5 - 1.2e-4	cm./cm.°C	55.4 - 66.2	in./in./°F*10 ⁻⁶

The information on this page is intended as general guidance only and is only accurate at the time of posting (9-10-12). Specific material properties vary by manufacturer. Please contact a Dielectric application engineer for help in choosing the optimal material for your application and budget.