



## Linen

### General Material Properties

Property	Metric	units	English	units
<b>Mechanical</b>				
Compressive Strength	2.48E+08	Pa	36000	psi
Flexural Strength	1.1e8 - 1.5e8	Pa	16 - 22	ksi
Tensile Strength	2.48E+08	Pa	36	ksi
Hardness (Rockwell M)	90 - 110		90 - 110	
Impact Strength (notched)	0.59 - 0.72	J/cm	1.10 - 1.35	ft.lbf/in
Young's Modulus	8.27e9 - 1.1e10	Pa	1.2 - 1.6	10 <sup>6</sup> psi
<b>Thermal</b>				
Max Service Temperature	125	°C	257	°F
Insulator or Conductor	Insulator		Insulator	
Thermal Expansion Coefficient	1.16e-4 - 1.2e-4	cm/cm.°C	64.4 - 66.2	in./in./°F*10 <sup>-6</sup>

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.