

Material Specifications Data Sheet

Physical Data

Specific Gravity	1.34	
Tensile Strength	35,000 psi	241 MPa
Compressive Strength	14,000 psi	96 MPa
Flexural Strength -LW -A 0.125"	23,000 psi	158 MPa
Flexural Strength -CW - A 0.125"		
Hardness – M Scale	105	
Bond Strength	1,700 psi	11 MPa
Shear Strength	13,500 psi	93 MPa
Flammability Rating	94HB	
Maximum Operating Temperature	257°F	125°C
Coefficient of Thermal Expansion °C (x 10 ⁻⁵)	1.04	
Water Absorption – 24 hours	1.04	
Izod Impact Strength @ 49°C -LW	1.70	
Izod Impact Strength @ 49°C -CW		

Electrical Data

Dissipation Factor – 10 ⁶ cycles Condition A
Dielectric Constant – 10 ⁶ cycles Condition A
Electric Strength V/MIL Condition A
Dielectric Breakdown -A
Permittivity -A

Product Description

Laminate sheet comprised of a phenolic resin and a woven linen (cotton) substrate. This material qualifies to NEMA L and MIL-I-24768/13

Typical Applications

This materials good moisture resistance and machining characteristics allow its use in a wider range of electrical and structural applications than XX Grades. Its finer weave fabric also allows thinner thickness to be produced than C Grade. Grade L has properties more suited to mechanical applications versus Grade LE

Atlas Fibre stocks and machines a full range of non-metallic materials and has the largest inventory of thermoset laminate in North America. Learn more about our available materials and capabilities at atlasfibre.com.