Wesliner

TECHNICAL DATA BULLETIN

GRADE: Fiberglass Polyester Composite   **U. L. LISTED:** Yes

Wesliner is a bright white, fiberglass polyester thermoset composite material that demonstrates excellent physical, thermal and chemical resistant properties in a wide range of applications. Wesliner is UL classified with a flame spread of 25 while exhibiting excellent "splash & spill" corrosion resistance to acids, bases & hydrocarbons. Wesliner has been the material of choice for laboratory fume hood liners and is suitable in any application requiring heat resistance, chemical resistance and very good mechanical properties.

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES		UNITS	VALUE
Color			Bright White
Tensile Strength	D638	PSI	7,500
Tensile Modulus	D638	PSI x 10	1.70
Flexural Strength	D790	PSI	21,000
Flexural Strength – Hot	D790	PSI	12,900
Test Temperature	D790	C/F	130 / 266
Compressive Strength	D695	PSI	32,500
IZOD Impact Strength (notched)	D256	Ft.Lb/inch	8.40
Water Absorption	D570	% by weight	0.40
Specific Gravity	D792		1.81
FLAME RESISTANCE PROPERTIES			
Flame Spread -- UL 723 / ASTM E84			25.0
Smoke Density -- UL 723 / ASTM E84			115.0
Flame Resistance		UL 94	V-0
Oxygen Index	D2863	% Oxygen	35.0
THERMAL PROPERTIES			
Coefficient of Thermal Expansion	D696	In/In^{o}Cx10	2.0×10^{-5}
Thermal Conductivity	C177	BTU/Hr/Ft^2/In/^{o}F	1.9
UL Recognition File			R9599
Continuous Temperature			160C
Intermittent Short Term Temperature			225C

All testing per ASTM D-348 unless otherwise noted.   This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. Data supplied above are "typical values"; not to be considered "specification values".   It is the responsibility of the users of this information to make sure that they have the latest version of this TDB, and are urged to check with Customer Service to determine if information is most current.   [1] This temperature is a recommendation only. The maximum operating temperature is dependent upon the application and should be tested accordingly.