

スケートライトプロの特性
(Properties of Skatelite Pro Fiber Laminate)

Electrical Properties		電気的特性	
Dielectric Strength(Volts/mil)	絶縁力		150
Dielectric Constant	誘電率		9.24
Dissipation Fact			0.29
Thermal Properties		熱特性	
Coeff. Of Thermal Expansion (X I)	熱膨張の係数		5.2 μ in/in, $^{\circ}$ F
Coeff. Of Thermal Expansion (Y I)	熱膨張の係数		12.8 μ in/in, $^{\circ}$ F
Coeff. Of Thermal Expansion (Z I)	熱膨張の係数		45.9/73.5 μ in/in, $^{\circ}$ F
Thermal Conductivity (Cal cm/cm 2)	熱の伝導性		0.00051
Water Absorption (by Weight)		吸水率	
			1.24 %
Tensile Strength		引張強度(抗張力)	
X Direction		1350 kgf/cm 2	19200 psi
Y Direction		921.1 kgf/cm 2	13100 psi
Compressive Strength		圧縮強度	
X Direction		1294 kgf/cm 2	18400 psi
Strain @ Failure			7.09 %
Y Direction		1118 kgf/cm 2	15900 psi
Strain @ Failure			7.15 %
Z Direction		2109 kgf/cm 2	30000 psi
Strain @ Failure			~20 %
Flexural Strength (Face in tensi		曲げ強度	
X Direction		1547 kgf/cm 2	22000 psi
Y Direction		1216 kgf/cm 2	17300 psi
Flexural Strength (Edge in tensi		曲げ強度	
X Direction		1434 kgf/cm 2	20400 psi
Y Direction		1132 kgf/cm 2	16100 psi
Shore Hardness		ショア硬度	
Face			90
Edge			88
Izod Impact (Face Impact)		アイゾッド衝撃値(表面)	
X Direction (ft. lb. Per inch of width)			2.48
Y Direction (ft. lb. Per inch of width)			1.46
Izod Impact (Edge Impact)		アイゾッド衝撃値(エッジ面)	
X Direction (ft. lb. Per inch of width)			0.68
Y Direction (ft. lb. Per inch of width)			0.62
Abrasion Resistance		耐磨耗	
- Taber Abraser(CS-17)			
Weight Loss per 1000 revs			0.0112 %
Wear per 1000 revs (Inches)			0.00011
Coefficient of Friction (Unpolis	摩擦の係数(磨き無し)		0.2
Burning Rate		火炎伝播性	難燃性 Very Slow
Aging		劣化速度	機械的・電氣的な特性を改善 Improves Mechanical and Electrical Properties
Sunlite		日光(紫外線)	表面が少し濃く変化する Darkens Surface
Clarity		明瞭さ	光沢無し(不透明) Opaque
Weak Acids		弱酸	None to slight depending and acid
Strong Acids		強酸	None to slight for reducing and organic Decomposed by oxidizing acids

Weak Alkali	弱アルカリ		Slight to marked depending on alkalinity
Strong Alkali	強アルカリ	分解される	Decomposes
Organic Solvents	有機化合物	無	None
Metal Inserts		化学変化を起さない	Inert

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