FRANKLIN
LAMITEX, LLC

Composites For Today's Challenges

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Vulcanized Fibre & Fishpaper Technical Data

Properties	Thickness (inches)	Units		Vulcanized Fibre	Fishpaper
Density	.062"	grams/cc		1.2	1.2
Specific Volume	.062"	cu.in./lb		23	23
Tensile Strength	.062"	psi	lengthwise	18,000	21,000
			crosswise	9,000	10,000
Modulus of Elasticity in Tension	.062"	psi x 10^5	lengthwise	12	12
			crosswise	8	8
Flexural Strength		psi	lengthwise	15,000	15,000
			crosswise	13,000	13,000
Compressive Strength		psi		35,000	35,000
Impact Strength, Izod, Edgewise		ft-lb./in.		2	2.5
in Notch		ft-lb./in. of notch		1.8	2
Hardness, Rockwell R Scale				**80**	**70**
Bond Strength, ASTM D-952		psi		900	900
Bursting Strength, Mullen	.015"	psi		-	325
Tear Strength, Elmendorf	.015"	grams/cc	lengthwise	-	550
			crosswise	-	700
Dielectric Strength, Short Time	.015"	volts/mil		230	300
	.062"			200	215
	.125"			195	200
Arc Resistance, ASTM D-952	.062"	seconds		80	125
Comparitive Tracking Index				600+	600+
Thermal Conductivity, 149F		Btu/hr./ft.^{2}/°F/ft		0.168	0.168
Specific Heat		Btu/lb/°F		0.403	0.403
Temperature Index, Continuous (UL)		°C		110 mechanical	110 mechanical
				115 electrical	115 electrical
Thermal Expansion x 10^{-5}		in./in./°F	lengthwise	1.1	1.1
		in./in./°F	crosswise	1.7	1.7
Flammability, ASTM D-635	.062"	in//min.		0.5	0.5
Water Absorption, 24 hours	.062"	%		66	63

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