

The information below is believed to be accurate and reliable. Oliner Fibre Co. assumes no responsibility for end-use applications and no performance warranty is expressed or implied. Values shown are typical, are not guaranteed, nor to be used for specifications without approval.

Properties		Thickness (inches)	Units	Commercial	Electrical
Density		.062"	grams/cc	1.20	1.20
Specific Volume		.062"	cu. in./lb	23.0	23.0
<b>Mechanical</b>					
Tensile Strength	MD	.062"	psi	16,000	18,000
	CD	.062"	psi	9,000	10,000
Modulus of Elasticity in Tension	MD	.062"	psi x 10 <sup>5</sup>	12.0	12.0
	CD	.062"	psi x 10 <sup>5</sup>	8.0	8.0
Flexural Strength	MD	.062"	psi	15,000	15,000
	CD	.062"	psi	13,000	13,000
Compressive Strength		.062"	psi	35,000	35,000
Impact Strength, Izod Edgewise	MD	.062"	ft-lbs/in. notch	2.0	2.5
	CD	.062"	ft-lbs/in. notch	1.8	2.0
Hardness, Rockwell R Scale		.062"	Divisions	80	70
Bond Strength, ASTM D-952		.062"	psi	900	900
Bursting Strength, Mullen		.016"	psi	-	325
Tear Strength, Elmendorf	MD	.016"	grams	-	550
	CD	.016"	grams	-	700
<b>Electrical</b>					
Dielectric Strength, Short Time		.016"	volts/mil	230	300
		.062"	volts/mil	200	215
		.125"	volts/mil	195	200
Arc Resistance, ASTM D-495		.062"	seconds	80	125
<b>Physical</b>					
Thermal Conductivity, 149° F			Btu/hr/ft <sup>2</sup> /°F/ft.	0.168	0.168
Specific Heat			Btu/lb/°F	0.403	0.403
Heat Resistance, Continuous			°F	230 - 240	230 - 240
Thermal Expansion x 10 <sup>-5</sup>	MD		in/in/°F	1.1	1.1
	CD		in/in/°F	1.7	1.7
Dimensional Change per % change in Moisture Content	Thick.		%	1.0	1.0
	MD		%	0.1	0.1
	CD		%	0.25	0.25
Water Absorption, 24 hours		.062"	%	66.0	63.0
Coefficient of Friction, Fibre on Fibre				0.16	0.16
Coefficient of Friction, Fibre on Smooth Cast Iron				0.21	0.21
Flammability, ASTM D-635		.062"	in/mm	0.5	0.5

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