

Vulcanized fibre or Vulcanized fiber or Vulcanised fibre (cotton100 %)

-----made in china youngman &tianmao

Properties		Thickness (inches)	Units	Commercial	Bone	Electrical
Density		.062"	grams/cm ³	1.20	1.30	1.20
Specific Volume		.062"	in ³ /lb	23.0	21.0	23.0
Mechanical						
Tensile Strength	MD	.062"	psi	16,000	19,000	18,000
	CD	.062"	psi	9,000	9,500	10,000
Modulus of Elasticity in Tension	MD	.062"	psi x 10 ⁵	12.0	12.0	12.0
	CD	.062"	psi x 10 ⁵	8.0	8.0	8.0
Flexural Strength	MD	.062"	psi	15,000	15,000	15,000
	CD	.062"	psi	13,000	13,000	13,000
Compressive Strength		.062"	psi	35,000	35,000	35,000
Impact Strength, Izod Edgewise	MD	.062"	ft-lbs/in. notch	2.0	1.4	2.5
	CD	.062"	ft-lbs/in. notch	1.8	1.0	2.0
Hardness, Rockwell R Scale		.062"	Divisions	80	100	70
Bond Strength,		.062"	psi	900	1,500	900
Bursting Strength, Mullen		.016"	psi			325
Tear Strength, Elmendorf	MD	.016"	grams			550
	CD	.016"	grams			700
Electrical						
Dielectric Strength, Short Time		.016"	volts/mil	230		300
		.062"	volts/mil	200	200	215
		.125"	volts/mil	195	200	200
Arc Resistance		.062"	seconds	80	100	125
Physical						
Thermal Conductivity, 149 ° F			Btu/hr/ft ² /ft.	.168	.168	.168
Specific Heat			Btu/lb/	.403	.403	.403
Heat Resistance, Continuous				230 - 240	230 - 240	230 - 240
Thermal Expansion x 10 ⁻⁵	MD		in/in/	1.1	1.1	1.1
	CD		in/in/	1.7	1.7	1.7
Dimensional Change per % change in Moisture Content	Thick.		%	1.00	1.00	1.00
	MD		%	0.10	0.10	0.10
	CD		%	0.25	0.25	0.25
Water Absorption, 24 hours		.062"	%	66.0	55.0	63.0
Coefficient of Friction, Fibre on Fibre				0.16	0.16	0.16
Coefficient of Friction, Fibre on Smooth Cast Iron				0.21	0.21	0.21

Flammability,	.062"	in/mm	0.5	0.5	0.5
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