



PRODUCT NEWS

Auburn Manufacturing Co.
 29 Stack St., Middletown, CT 06457
 Phone (860) 346-6677 FAX (860) 346-1334
 www.auburn-mfg.com
 email:info@auburn-mfg.com

FISHPAPER (VULCANIZED FIBRE) FROM AUBURN

Applications

Fishpaper is a low voltage insulator in electrical motors, coils and transformers. Its mechanical uses include washers, shims, gaskets and insulators. This material has a UL-HF1 flame rating for general purpose insulation.

Scope

Fishpaper weighs about half as much as aluminum, yet will withstand repeated shock and impact without failure. It has good dielectric strength and superior arc resistance. It bonds well and can be formed, punched, machined and diecut into shapes. Fishpaper is readily available in sheets 48" x 42", in thicknesses of .005" thur .125".

Physical Properties

DENSITY	1.20	THERMAL CONDUCTIVITY, 149 F.	.168
SPECIFIC VOLUME	23.0	SPECIFIC HEAT	.403
TENSILE STRENGTH	MD* 21,000	HEAT RESISTANCE, CONTINUOUS	221
	CD* 10,000		
MODULUS OF ELASTICITY IN TENSION	MD* 12	THERMAL EXPANSION 10 X 5	MD* 1.1
	CD* 8		CD* 1.7
FLEXURAL STRENGTH	MD* 29,000	DIMENSIONAL CHANGE, THICKNESS PER % CHANGE IN MOISTURE CONTENT	MD* .10
	CD* 16,000		CD* .25
COMPRESSIVE STRENGTH	35,000	WATER ABSORPTION, 24 HOURS	63.0
IMPACT STRENGTH, IZOD, EDGEWISE	2.5	COEFFICIENT OF FRICTION FIBRE ON FIBRE	.16
		FIBRE ON SMOOTH CAST IRON	.21
HARDNESS, ROCKWELL, R SCALE	70	FLAMMABILITY, ASTM D-635	.5
BOND STRENGTH, ASTM D-952	900	DIELECTRIC STRENGTH, SHORT TIME	400
BURSTING STRENGTH, MULLEN	325	ARC RESISTANCE, ASTM D-495	125
TEAR STRENGTH, ELMENDORF	550		

MD* GRAIN - MACHINE DIRECTION CD* GRAIN - CROSS DIRECTION