

## VULCANIZED FIBRE – Bone Grade

**Composition:**

A chemically pure laminated cellulose material containing no resins or bonding agents (vulcanized fiber).

**Sheet Sizes:**

Sheet sizes of 45"x74" in thicknesses: 1/16" to 1". Cut and fabricated to shape. Tubes also available.

**Color:**

Gray

**Advantages:**

Vulcanized fibre, bone grade is the hardest and densest grade available. It offers very high resistance to wear and abrasion. It possesses great mechanical strength. It is also resistant to oils, gasoline and most solvents. It is an electrical grade insulating material capable of withstanding temperatures up to 115°C. It is used in many mechanical and/or electrical applications such as noiseless gears, cams, cutting blocks, and thrust washers.

**Specifications:**

Density	82 lbs/ft <sup>3</sup> – 1.32 grams/cm <sup>3</sup>
Maximum operating temperature	
electrical	239°F (115°C)
mechanical	230°F (110°C)
Water absorption (24 hours)	55%
Hardness (Rockwell R)	100
Compression strength	35,000 psi
Tensile strength	
machine direction	19,000 psi
cross direction	9500 psi
Flexural strength	
machine direction	28,000 psi
cross direction	16,000 psi
Dielectric strength (1/8 thick)	200 volts/mil
Arc resistance (1/16 thick)	100 sec