

## Vulcanized Fibre

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Vulcanized Fibre is a cotton fibre based material developed in 1879, as a result of an experiment wherein cellulose cotton was immersed in a Zinc Chloride acid bath. This process caused a cross linking when the excess Zinc Chloride was removed. The result was a hardened yet ductile pure cellulose material. Eventually, several methods of converting this cellulose material into useful shapes and products were developed. Today, Fibre is available as thin strips sheets and washers, thicker sheets, rods and tubing

“Fishpaper” is flexible vulcanized fibre having improved electrical properties.

Vulcanized fibre has good mechanical and electrical properties and excellent arc resistance. These properties made vulcanized fibre the material of choice for insulating applications for decades. Over time additional and highly specialized industrial laminates were developed. Vulcanized fibre is still used in many electrical / electronics and mechanical applications requiring good electrical insulation properties and mechanical strength.

<b>Tensile Strength - psi:</b>	18,000
<b>Dielectric Strength - Sort Term:</b>	200 -volts/mil
<b>Continuous Service Temperature:</b>	110 C
<b>Elongation % at Break:</b>	5
<b>Comparative Cost:</b>	Moderate