

## Vulcanized Fibre R8021

### Description:

Vulcanized fibre, or red fibre, is a laminated plastic composed of only cellulose. It's manufactured by parchmentizing thin layers of paper against each other. The sheets are wrapped around a heated cylinder, to obtain the desired thickness. The sheets are afterwards cut off the cylinder, dried and pressed flat. It's one of the oldest plastics still used.

The material has excellent strength, it can withstand high pressure and is typically used below screwheads. Vulcan fibre is thermal and electric insulating.

Technical Data		Unit	Values
Density		g/cm <sup>3</sup>	1.08 - 1.35
Tensile strength:	longitudinal	N/mm <sup>2</sup>	> 65
	transversal	N/mm <sup>2</sup>	> 45
Elongation:	longitudinal	%	> 7
	transversal	%	> 8
Flashpoint (approx)		°C	350
Temperature resistance (hot water)		°C	90 - 105
Chemical properties (acc. IEC667 1-2-3):	Chlorinezinc content		< 0.05 %
	Moisture content		6-9 %
	Water extract		6 pH

### Misc.

Thicknesses	1.0 - 2.0 - 3.0 mm
Color	Red
Typical applications:	jointing approvals, washers for sanitary industries, technical applications, electrical industries