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Data Specifications Sheet

Vulcanized fibre is a laminated plastic composed of only cellulose.

General Properties

Vulcanized fibre is a strong material with excellent tear resistance and fine bonding surfaces.
It is not corroded by salt water. It is not broken down easily by the sun. It is, in fact, a good non-toxic electrical insulator.
Its dielectric strength and abrasion resistance has been the standard for the industry.
Vulcanized fibre is a proven performer in the automotive, electrical, and manufacturing industries.
Its multiple characteristics make this product an important part of the transportation, power distribution, electric motor, and generator production industries also. For example, vulcanized fibre can be corrugated to create coolant passages in electric transformers. Its versatility clearly makes it ideal for a multitude of applications.

Application

Motors- End Laminations
Motor and Lamination
Electrical Insulation in Appliances
Insulating Washers
Thermal and Electrical Standoffs
Slot Cell Insulations
Arc Chutes
Insulation Shields
Fuse Tubes

Physical Properties

Density	gr/cm^3	1.2 to 1.35
Moisture content	%	< 10
Tensile strength (MD)	Kg/mm^2	> 6.5
Tensile strength (CD)	Kg/mm^2	> 4.5
Lengthening (Strength) (MD)	%	> 4
Lengthening (Strength) (CD)	%	> 7
Compressive strength	Kg/mm^2	25 to 35
Hardness	°Rockwell Scale R	62
Water absorption (6 Hours)	%	45
Dielectric strength	kV/mm	> 4
Temperature limit	If increase T > 2°C/min	85°C
Temperature limit	If increase T < 2°C/min	130°C
Ash content	%	< 5
Zinc chloride content	%	< 0.1
pH		5.5 to 7

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