



SmithLamina™ Commutator Mica Sheet

SmithLamina® epoxy mica sheet for commutator consist of Muscovite or phlogopite mica paper, impregnated with a specially selected epoxy resin. It performs good electrical properties, mechanical strength, and excellent moisture resistance.

APPLICATION

This product is a hard, dense mica sheet for use in segments, separators and spacers. It can be sawed, sheared and punched into intricate shapes using good commercial practice. Because of its superior uniformity, automatic feeding and stacking are possible for cost savings in high speed assembly operations.

TECHNICAL DATASHEET

Type		SCM-14	SCP-14
Mica Paper		Muscovite	Phlogopite
Bond Content %		≤10	≤10
Density g/cm ³		2.1-2.4	2.1-2.4
Thickness Tolerance mm	Average	±0.02	±0.02
	Individual	±0.03	±0.03
Compressibility	Ce-elastic %	≤2.5	≤2
	Cp-plastic %	≤2.5	≤2
Flexural Strength MPa		>300	>300
Elastic Modulus MPa		>80 000	>70 000
Resistance To Exudation and Displacement °C		200	200
Dielectric Strength KV/mm		>25	>25

AVAILABILITY

In sheets of 1000x600mm, 1000x1200mm
In strips and in cut parts, according to drawings.
Thickness: 0.1 mm - 1.9 mm

PACKAGE

Package Carton
Size (LXW) 1000x600mm or 1000x1200mm
Protective package Pallet or Wooden case

All values are attributes of the used raw materials.

The physical data contained in this table are typical values. They are obtained on test specimens under specific conditions and represent average values of a large number of tests. The results obtained on these tests specimens cannot be applied to finished parts without reservations, as behaviour is influenced by processing and shaping.