

## 02-97 Epoxy Segment Plate

### Composition

02-97 is a built-up Epoxy bonded segment plate milled to IEC 371 thickness tolerances. It has excellent heat stability. There are different grades available depending on the type of mica used.

### Applications

This plate is specially suited to segment insulation in commutators of traction motors. 02-97 can be supplied in the form of sheets or punched segments, which can also be supplied stack gauged to ensure precise dimensional control on built-up commutators.

### Product Data

Property	Unit	Value
Thermal Classification	°C	155
Thickness range	mm	0.40 - 1.85
Thickness Tolerance	mm	Avg. $\pm 0.025$ Individual $\pm 0.050$
Binder Content	%	03 - 05
Dielectric Strength	kV/mm	22 min.
Heat stability as per IEC 371-2-11 ; 300°C / 600 kg/cm <sup>2</sup> / 30 minutes		No exudation of binder & no mica displacement
Compressibility as per IEC 371-2-12; at 600 kg /cm <sup>2</sup> pr.	%	At R.T. - 3 max. At 200°C - 2 max.

### Different Grades

Code No.	Mica Type	Binder Content, %
02-97-02	6 1st Amber (Phlogopyte)	3 – 5
02-97-03	6 1st Ruby / 6 DL	3 – 5

### Available size of sheets

1050 mm X 750 mm  $\pm 10$  mm  
750 mm X 525 mm  $\pm 10$  mm