

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

| Properties | Unit | Value |
|---|-------|--|
| Thermal Classification | K | 428 |
| Thickness range | mm | 0.40 - 1.85 |
| Thickness Tolerance | mm | Avg. - ± 0.025 Individual - ± 0.050 |
| Binder Content | % | 03 - 05 |
| Dielectric Strength | kV/mm | 22 min. |
| Heat stability as per IEC 371-2-11 ; 573 K / 600 kg/cm ² / 30 minutes | | No exudation of binder & no mica displacement |
| Compressibility as per IEC 371-2-12 ; at 600 kg /cm ² pr. | % | At R.T. - 3 max. At 473 K - 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 ± 10 mm

750 mm X 525 mm ± 10 mm.