

02-99 SHELLAC SEGMENT PLATE

Composition

02-99 is built-up Shellac bonded segment plate milled to NEMA grade 3 thickness tolerances. There are different grades available depending on binder content & thermal stability.

Application

This plate is specially suited to segment insulation in commutators of traction motors, automobiles, hand tools and other industrial motors.02-99 can be supplied in the form of sheets or punched segments - stack gauged to ensure precise dimensional control on built up commutators.

Product Data

Properties	Unit	Value
Thermal Classification	K	403
Thickness range	mm	0.40 – 2.17
Thickness Tolerance	mm	Avg. \pm 0.025 individual - \pm 0.050
Binder Content	%	03 - 08
Flexural Strength	N/mm ²	125 min.
Dielectric Strength	kV/mm	22 min.
Heat stability as per IEC 371-2-11; 458 K-523 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. - 4 max. At 433 K - 3 max.

Different Grades

Code No	Mica Type	Binder Content, %	Heat Stability, K
02-99-01	6 1st Ruby	6 – 8	458
02-99-02	6 1st Ruby / 6 DL	3 – 5	473
02-99-05	6 1st Ruby / 6 DL	3 – 5	523

Available size of sheets

900 mm X 900 mm \pm 10 mm / 1050 mm X 750 mm \pm 10 mm

900 mm X 450 mm \pm 10 mm./ 750 mm X 525 mm \pm 10 mm