

Product Data Sheet

Circuit Board Lacquer ISO-RC 2050 and ISO-RC 4000

Description:

Circuit board lacquer ISO-RC 2050 (chemically curing) and 4000 (physically drying) coating materials for the protection of circuit boards against moisture and aggressive chemical environments.

Circuit board lacquer ISO-RC 2050 is a heat-resistant system containing silicon, which cures chemically by condensation. The formed protective coating is not transparent and resistant to solvents like esters, benzene, ketones, dilute acids and bases. For repair purposes the material is removable. The lacquer is suited for temperatures up to 180°C. The preferred application is dipping or dropping.

Circuit board lacquer ISO-RC 4000 is a transparent coating system with very good adhesion to circuit boards. The lacquer dries fast by evaporation of the solvent. The lacquer is suited for temperatures up to 85°C (short term: 110°C). The preferred form of application is spraying, but also painting and dipping is possible.

Technical Data:

	circuit board lacquer ISO-RC 2050	circuit board lacquer ISO-RC 4000
chemical base	synthetic resin containing silicon preferably for thick layer coatings	silicon-free synthetic resin preferably for thin layer applications
chemical resistance	resistant against benzene, esters, alcohols, diluted acids and bases, hydraulic oil, steam, water	resistant against diluted acids and bases, steam, water
temperature resistance	-60 to +180°C	-40 to +85 (110)°C
colour	red-brown, not transparent	transparent
drying time	app. 10 min / RT	app. 10 min / RT app. 2 min / 70°C
dielectric strength	> 5 kV/mm	> 5 kV/mm
volume resistivity	> 10 exp. 12 Ohm cm	> 10 exp. 12 Ohm cm
preferred diluent	type ST	type 4000

storage: keep dry and well closed, shelf life: min. 12 months

Please see material safety data sheet for additional information.

This data sheet replaces previous issues.

Edition: 06.01.17

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and therefore entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. Of course we will provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.