



Technical Data Sheet

CRAMOLIN® ISOTEMP Art. No. 122

Product description

ISOTEMP is a transparent heat-, moisture- and water resistant protective silicone coating, indented for use in electronics especially for rigid and flexible PC-boards. It retains its effectiveness up to 500° C. In addition it is flame retardant (in accordance with UL 94), elastic and well-bonding. ISOTEMP is also suitable for sealing components from humidity, salt, fungus and corrosive vapors.

Application

ISOTEMP is particularly suitable for the insulation of printed circuit boards that are expected to withstand high temperatures during operation as for example in motor vehicles, aeronautical and aerospace engineering, etc. It is also suited for the sealing of cabinets, data communication, instrumentation, marine, energy and heavy industry.

Please note

Shake can well before use. Surface to be treated has to be free of greases, oil, wax etc. Spray on the whole surface of parts to be treated, maintaining a distance of approximately 30 cm, otherwise the layer applied will flow. The laquer will be dry to permit handling after one or two hours, and fully cured after approx. 24 hours. To obtain to complete electrical and mechanical values the laquers has to be cured about one hour at 200° C. The spray nozzle has a self-cleaning action. Should it nevertheless get clogged, clean it using solvent.



Technical Data

Appearance:	yellowish
Specific gravity:	0,80 [g /cm ³]
Drying time:	approx. 60-80 min dry to touch approx. 24 h totally cured
Temperature range:	-45 – 300 [° C]
Short time:	500°C
Viscosity at 23°C:	220 -330 mPas
Surface resistance:	7,5 x 10 ¹⁶ [Ω]
Dielectric strength:	110 [kV/mm]
Dielectric constant:	3,09 (DIN 53483)
Content not volatile compounds:	50%

Storage / Shelf Life

Shelf life is 2 years if stored correctly. Package after emptying to be disposed via metal scrap.