

Technical Data Sheet
CRAMOLIN ISOTEMP
(silicone resin)
Art.-Nr. 122

Apperance:	yellowish liquid
Viscosity at 23° C: [mPas]	220 - 330
Density at 25° C: [g/cm ³]	1,04
Temperature range: [° C]	-45 - + 500° C
Content not volatile compounds:	50 %
Dielectric strengh: [kV/mm] (DIN 53481)	110
Dielectric constant: (DIN 53483)	3,09
Surface resistance: [Ω cm] (DIN 53483)	7,5 · 10 ¹⁶

ISOTEMP is a transparent heat-, moisture- and waterresistant protective silicone coating, intended 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 vapours.

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.

Directions

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.

Note: Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, **Morgan** makes no representation as to the completeness or accuracy thereof. Information is supplied upon the conditions that the persons receiving the same will make their own as to its safety and suitability for their purpose prior to use. In no event will **Morgan** be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.

For further information please contact:

I T W
Chemische Produkte GmbH
Mühlacker Str. 149
75417 Mühlacker
Tel. 0049 (0)7041/96340
Fax. 0049 (0)7041/963429