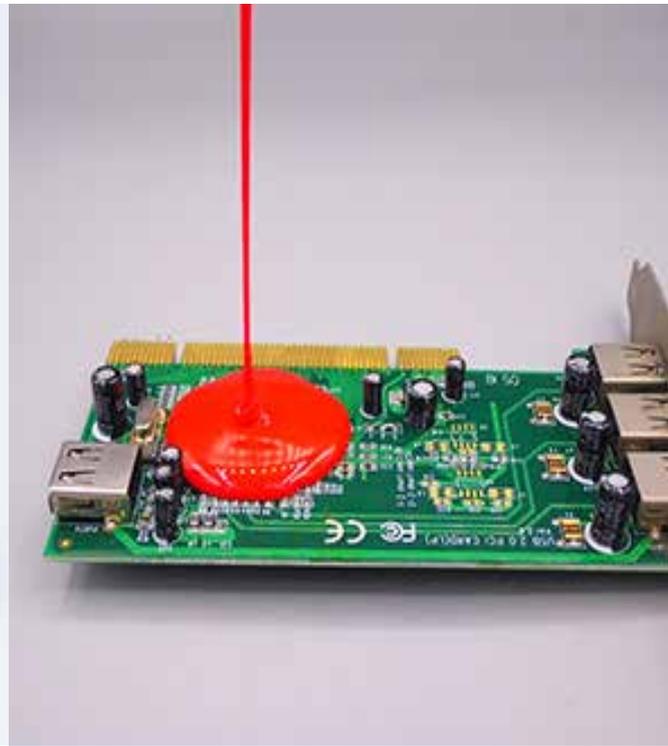


**BONDING +
SEALING +
ENCAPSULATION**

Kisling



8610 + 8901

High-temperature stable, two-component polyurethane encapsulant for potting of sensors, transformers or other passive electronic components.

Through the use of various synergetic flame retardants, we achieve optimum flame protection completely without the use of halogenated flame retardants. In addition, we offer flexible adjustment of the level of hardness, always individually tailored to the customer's demands. The self-extinguishing properties of our products are confirmed by UL certification and open up a wide range of potential uses in the electronics sector.

8610 + 8901 is a two-component polyurethane encapsulant with the outstanding property of being able to withstand temperatures of up to +165°C. The product is ideal for potting of sensors, transformers or other passive electronic components and it is also available as CMR-free version (8610 + 8930).

8610 + 8901

- + High operating temperature range up to +165°C
- + Medium hardness
- + UL94-V0
- + Solvent-free
- + Excellent adhesion properties on different materials



Specifications	
Product category	Encapsulants Insulation/Flame protection
Chemical base	Polyurethane
Color	Black
Density [g/cm³]	1.50 – 1.60
Mixing ratio [by weight]	100 : 14
Viscosity [mPas]	4 000 – 5 000
Pot life [min]	15 – 25
Shore hardness (DIN EN ISO 868)(DIN EN ISO 868)	D45 – 55
Temperature range [°C]	-55 – +165
Curing conditions	Cold curing
Thermal conductivity [W/mK]	0.6
Glass transition temperature [°C]	-2
CTE < Tg [ppm/K]	97,5
CTE > Tg [ppm/K]	167,0
UL94	V0, 1,5mm