



NOVASIL® - PRODUKTMATRIX LEUCHTEN & ELEKTRONIK

NOVASIL® - PRODUCT MATRIX LUMINAIRES & ELECTRONICS

		Silicone [Alkoxy]								
		VERGUSSEN POTTING					KLEBEN / DICHTEN BONDING / SEALING			
		Ø 822	Ø 824	Ø 800	Ø 151	Ø 651	Ø 804	Ø 800	Ø 902	Ø 49
KOMPONENTEN COMPONENTS	2K	2K	1K	2K	2K	1K	1K	1K	2K	
VERARBEITUNGS- EIGENSCHAFTEN HANDLING CHARACTERISTICS	SEHR FLIEßFAHIG VERY FLUENT < 8.000 mPas	✓	✓			✓				
	FLIEßFAHIG FLUENT > 8.000 mPas			✓	✓		✓			
	STANDFEST STABLE							✓	✓	✓
ENDZUSTAND FINAL STATE	HART SOLID SHORE A > 80				✓					
	MITTELELASTISCH LOW ELASTIC SHORE A > 30					✓		✓		✓
	WEICHELASTISCH SOFT ELASTIC SHORE A < 30	✓	✓	✓			✓		✓	
EIGENSCHAFTEN FEATURES	WÄRMELEITFAHIG THERMAL CONDUCTIVITY				✓	✓				
	HOCHTEMPERATUR HIGH TEMPERATURE > 200 °C						✓			
	UV - INDIKATOR UV - INDICATOR			✓						
	FARBE COLOUR	TRANSPARENT / FARBIG TRANSPARENT / COLOURED	TRANSPARENT / SCHWARZ TRANSPARENT / BLACK	TRANSPARENT / FARBIG TRANSPARENT / COLOURED	WEISS / FARBIG WHITE / COLOURED	SCHWARZ BLACK	ROT-BRAUN RED-BROWN	WEISS / FARBIG WHITE / COLOURED	TRANSPARENT / FARBIG TRANSPARENT / COLOURED	SCHWARZ BLACK
PRODUKTEN VERIFICATION	UL V0				✓	✓				
	UL V1									
	UL HB 94	✓	✓	✓			✓	✓	✓	✓
ANWENDUNG APPLICATION		Verguss von elektronischen Bauteilen Potting of electronic components	Verguss von elektronischen Bauteilen Potting of electronic components	Verguss von elektronischen Bauteilen Potting of electronic components	Verguss von elektronischen Bauteilen Potting of electronic components	Verguss von elektronischen Bauteilen Potting of electronic components	Kleben und Abdichten von hochtemperaturbelasteten Bauteilen Bonding and sealing of components exposed to high temperatures	Elastisches Kleben und Abdichten von Rahmen und Gehäusen Elastic bonding and sealing of frames and housings	Elastisches Kleben und Abdichten von Rahmen und Gehäusen Elastic bonding and sealing of frames and housings	Elastisches Kleben und Abdichten von Rahmen und Gehäusen Elastic bonding and sealing of frames and housings
		Verguss / Beschichtung von elektronischen Leiterplatten Potting / coating of electrical circuit boards	Verguss / Beschichtung von elektronischen Leiterplatten Potting / coating of electrical circuit boards		Ableiten von Wärme Dissipating heat	Ableiten von Wärme Dissipating heat	Vergießen von Glasfenstern Potting components	Elastisches Kleben und Abdichten von elektronischen Bauteilen Elastic bonding and sealing of electrical and electronic components	Elastisches Kleben und Abdichten von elektronischen Bauteilen Elastic bonding and sealing of electrical and electronic components	Glas-Rahmen-Klebung Bonding glass sheets with frame
								Sehr gute Kunststoffhaftung Very good plastic adhesion	Sehr gute Kunststoffhaftung Very good plastic adhesion	

Further information are available in the technical datasheet on our homepage www.otto-chemie.de/en/homepage or contact your direct sales representative. <https://silitrade.dk/>



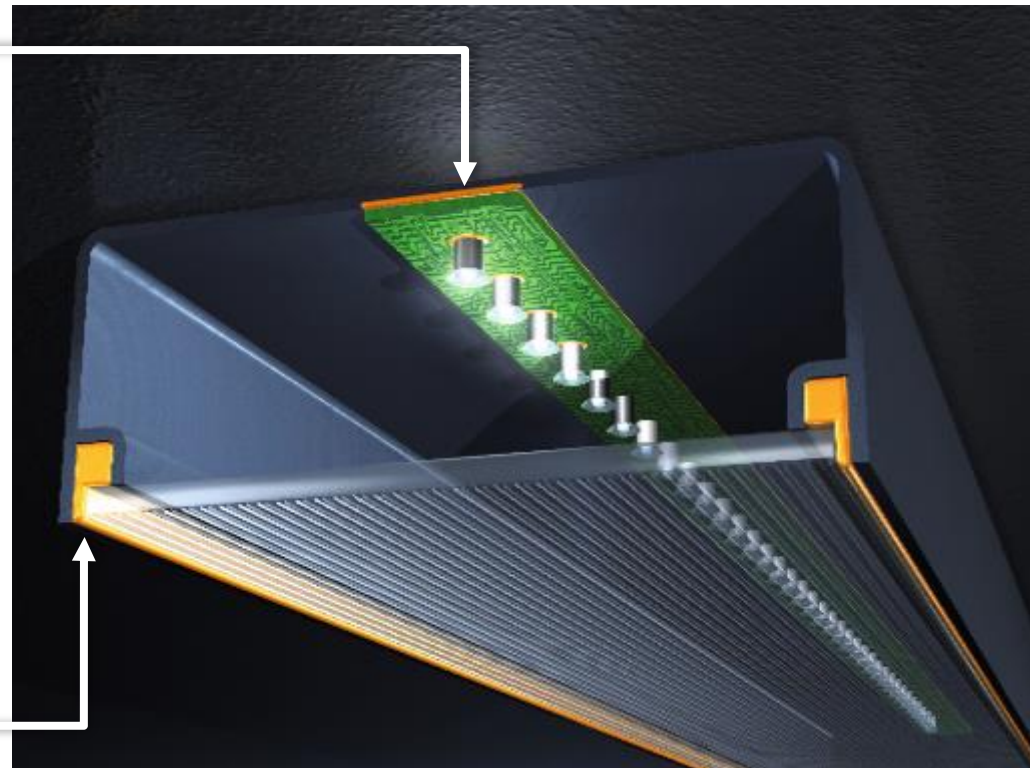
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Bonding and sealing of luminaire housing and diffuser disc / cover

Adhesive connection of material: Metal-Glass / Metal-Plastic / Plastic-Plastic

Outdoor luminaires, Architectural/Building luminaires, Marine luminaires,...

LED-Module
Bonding and thermal
dissipation



IP-protection, Contact protection,
Assembly function, Vibration
suppression



PRODUCT EXAMPLE

Novasil® S 800

Novasil® S 802

Novasil® S 49

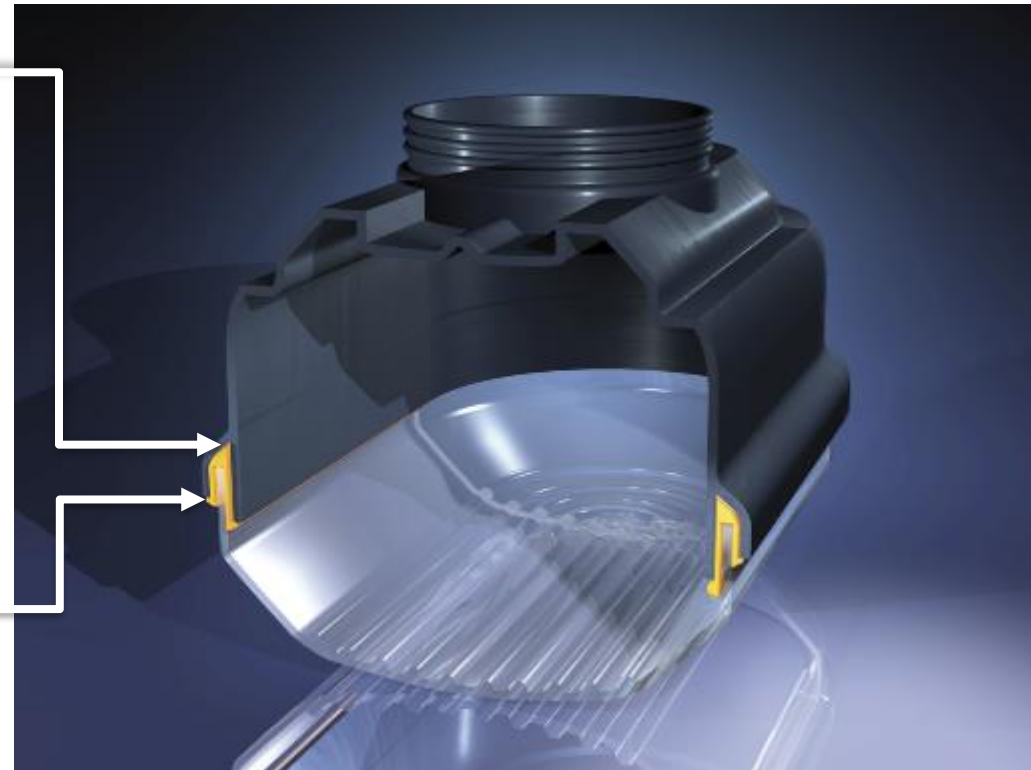
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Bonding and sealing of luminaire housing and diffuser disc / cover

Adhesive connection of material: Metal-Glass / Metal-Plastic / Plastic-Plastic

Motorcycle lighting, Special vehicle lighting,...

IP-protection
against humidity, dust and touch



Assembly function



PRODUCT EXAMPLE

Novasil® S 800

Novasil® S 802

Novasil® S 49

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Potting of electronic and electromechanical parts and devices

Potting of PCB, circuit board, antennas,...

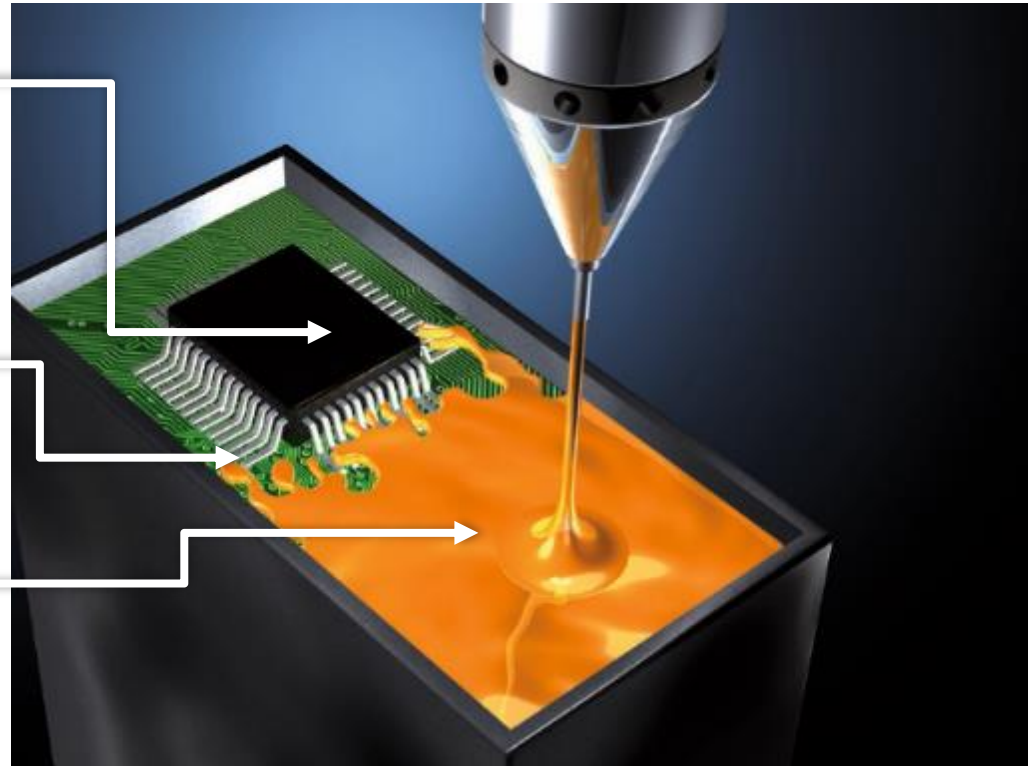
Protect components

Regarding humidity, dust, vibration,
touch
Protection technology regarding copy

Fixation & Assembly function of single components

Potting components

Thermal conduction
Isolator or conductor of electricity



PRODUCT EXAMPLE

Novasil® S 822

Novasil® S 824

Novasil® S 803

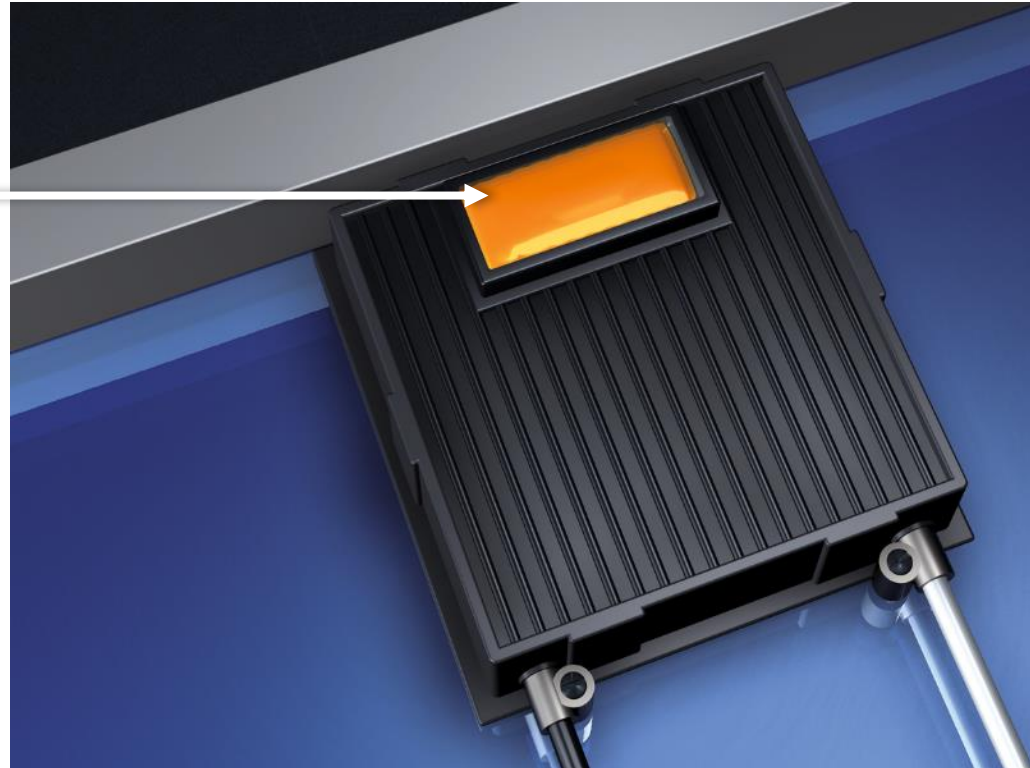
Novasil® S 651

<https://silitrade.dk/>

Potting of electronic and electromechanical parts and devices

Potting of cable, connector, junction box,...

Protect components
Regarding humidity, dust, vibration,
touch



PRODUCT EXAMPLE

Novasil® S 822
Novasil® S 824
Novasil® S 803
Novasil® S 651

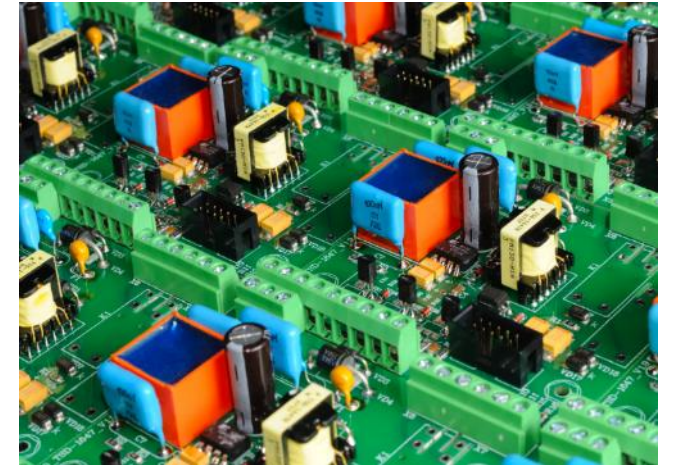
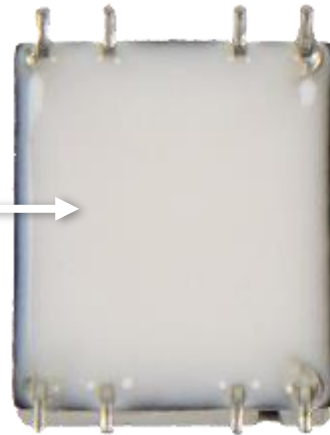
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Potting of electronic and electromechanical parts and devices

Thermal conduction

Potting toroidal coil,...

Thermal conductive potting
Derive of produced heat (e.g. due to
supplied power)



PRODUCT EXAMPLE

Novasil® S 151
Novasil® S 651
Novasil® S 824
Novasil® S 822

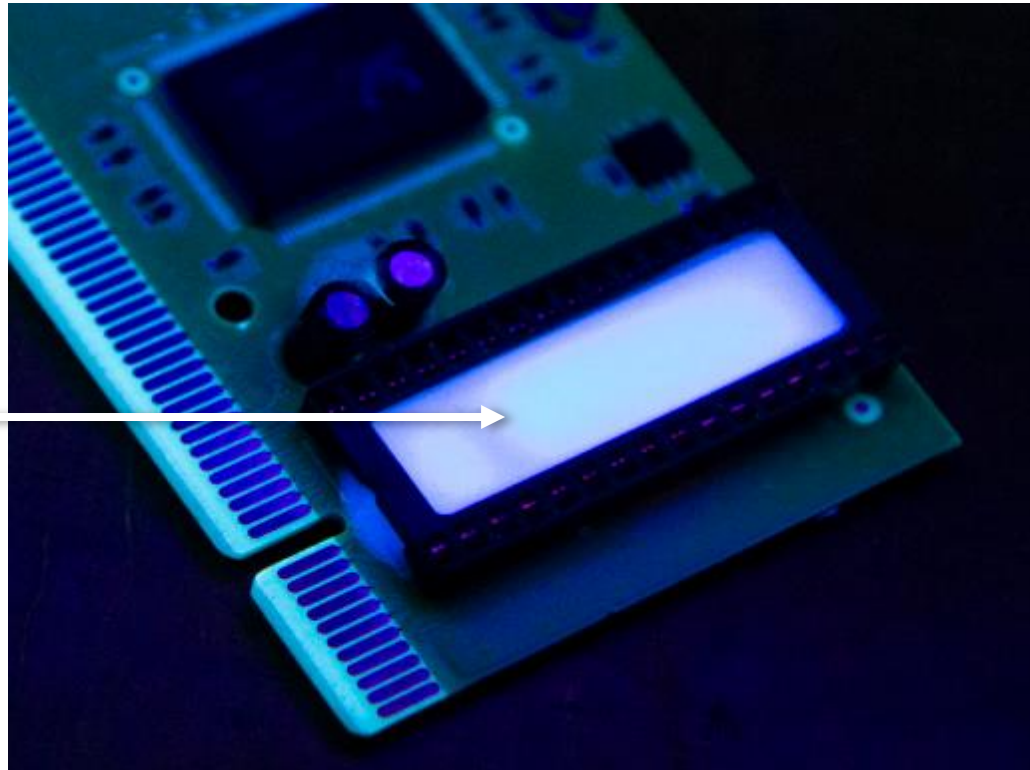
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Potting of electronic and electromechanical parts and devices

UV-detection of potted areas

Potting of PCB, circuit board, antennas,...

UV-Indicator
inside the potting material for optical
detection of the potted areas during the
production process



PRODUCT EXAMPLE

Novasil® S 803 UV

Novasil S 822

Potting of electronic and electromechanical parts and devices

Thermal stress

Thermal highly stressed electrical heating elements

Thermal resistance
of the bonding- / potting material up to
250°C



PRODUCT EXAMPLE

Novasil® S 804

Novasil® S 46

Novasil® S 36

Novasil® S 35

Potting of electronic and electromechanical parts and devices

Thermal stress

Thermal highly stressed parts – vehicle engine electronic

Thermal resistance
of the bonding- / potting material up to
250°C



PRODUCT EXAMPLE

Novasil® S 804
Novasil® S 46
Novasil® S 36
Novasil® S 35

Potting of electronic and electromechanical parts and devices

Thermal stress

High-Voltage Fuse

Thermal resistance
of the bonding- / potting material up to
250°C



PRODUCT EXAMPLE

- Novasil® S 804
- Novasil® S 46
- Novasil® S 36
- Novasil® S 35

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**Thank you
for your interest!**

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