ELECTRICS & ELECTRONICS | SEMICOSIL® 811

de martes

VERSATILE SOFT SEALING ADHESIVE

SEMICOSIL® 811

WACKE

If you prefer short curing times and fast adhesion built-up with minimum energy input, SEMICOSIL[®] 811 is the product of choice. The highly specialized silicone adhesive sealant provides state of the art technology for efficient and ecofriendly processing.

Product Description

SEMICOSIL[®] 811 is a non-slump low modulus silicone adhesive sealant designed for oven free processing and fast adhesion built-up at room temperature or minimum energy input.

It is used in 10:1 combination with catalysts ELASTOSIL® CAT PT-F or ELASTOSIL® CAT PT for regular cure or with ELASTOSIL® CAT UV for UV-activated cure.

Features of SEMICOSIL® 811

- High flexibility, high-temperature resistance and low-stress adhesive
- Fast adhesion built-up at room temperature or with moderate energy input (< 10 min at 60 – 80 °C)
- Reduced cycle times (faster processing)
- In-line QC process possible
- No UV-transparent substrates needed
- Allows automated optical inspection control, blue fluorescence under black-light

Applications

- Automotive electronics
- Sensor applications
- Various kinds of electronics control units
- Bonding display glass
- Covers to frame

[mPa s]	400,000
[mPa s]	45,000
[mPa s]	300,000
[mPa s]	35,000
[KME]	30
[MPa]	1.0
[%]	300
[N/mm ²]	3.0
[N/mm ²]	1-2
[N/mm ²]	1-2
	[mPa s] [mPa s] [mPa s] [mPa s] [KME] [MPa] [%] [N/mm ²] [N/mm ²]

*0.4 mm between ULTRADUR® BG 4300 GF 30

**0.4 mm between AIMgCu 2pl (non treated) all measured after UV irradiation of SEMICOSIL® 811/ ELASTOSIL® CAT UV (10:1) using UV A 120 mW/cm² /10 sec, 24 h at 25 °C





Your Plus: Robust Adhesion to Sensitive Substrates

Substrates	
Polybutylenterephtalat	PBT
Polyamide	PA
Polyphenylene sulfide	PPS
Glass-reinforced epoxy/ phenolic laminate sheets	FR4
Metals	
AI	AI, AI MgCu AI Mg³
Copper	
Steel	
Glass	
Coated display glass	

The built-up and adhesion on specific surfaces may differ. Own test to monitor application requirements are recommended



Your Plus: Fast and Efficient Adhesion Built-up

SEMICOSIL® 811 with PT-catalysts ELASTOSIL® CAT PT or with UV-activated ELASTOSIL® CAT UV offers faster adhesion built-up already at room temperatures (45 – 60 min) or at moderate temperatures (< 10 min at 80 °C).

During transport or storage SEMICOSIL[®] 811 does not require any cooling.





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