

Technical Data:

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UV-SIL™ 1811-preliminary TDS

UV-LED CURE SILICONE

Product Description

UV-SIL1811 is a 2K UV-LED Curable silicone. The UV-SIL is made of 100% silicone, that cures when exposed to UV-LED light. The curing process is fast and no post cure is needed. The UV-SIL can be customized to achieve specialized functionality, such as high heat transferability, pigments, and hardeners.

Features & Benefits

Rapid-throughput material

Avoidance of the need for post-processing

High-adhesion to various substrates .

Service temperature in the range of -50C-180C.

Applications

The UV-SIL1811 has been developed for fast curing electronic applications.

Product Data

Appearance	Clear, White and other colors
Chemical Type	100% silicone
Hardness, Shore A ASTM D2240	50-70
Viscosity	Thixotropic
Tensile Strength (N/mm ²) ASTM D412	3-5
Elongation %	160

*Curing with 395 nm LED lamp, 200mW/cm²