



UV-SIL RTV 3011

DUAL CURE RTV SILICONE RUBBER

● PRODUCT DESCRIPTION

UV-SIL RTV 3011 is a dual-cure product formulated for potting, encapsulating and coating electronic parts. This non-corrosive, single-component silicone elastomer will cure to a very soft rubber upon exposure to either an ultra-violet light source, or to atmospheric moisture.

TYPICAL APPLICATIONS:

Potting
Encapsulating
Coating
Sealing
Electronic parts, pins, industrial applications etc.

● CURING PROPERTIES

UV-A	UV LED 365nm	MOISTURE
✓	✓	✓
MOISTURE CURE MECHANISM		Neutral Cure(Oxime)

UV-curing with UVA H-BULB		
Intensity [mW/cm ²]	Layer thickness [mm]	Time [sec]
40	2	120

● UNCURED PROPERTIES

Color	Hazy Fluid
Viscosity	1500-2500
Specific Gravity	1

● CURED PROPERTIES

Volume Resistivity (Ω-cm)	4.7 x 10 ¹⁵
Tensile Strength (psi)	50
Water Absorption (3 Days)	< 1%
Shrinkage 72 hours @60C	< 0.5%
Dielectric Constant (100Hz/1kHz)	2,67/2,68
Dissipation Factor (100Hz/1kHz)	0,001/0,001
Dielectric Strength (Volts/mil)	400
Operating Temperature	-40°C +200°C
Hardness (Shore A)	15

INSTRUCTIONS FOR USE

Can be stored in the original unopened containers at or below (4°C) for up to 12 months