



UV-SIL RTV 3022

DUAL CURE RTV SILICONE RUBBER

● PRODUCT DESCRIPTION

UV-SIL RTV 3022 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	Clear
Viscosity	4000-5000
Specific Gravity	1



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● CURED PROPERTIES

Tensile Strength (psi)	100
Hardness Shore A	15
Water Absorption (3 Days)	< 0,1%
Elongation	100%
Shrinkage 72 hours @60C	<0.5%
Volume Resistivity	$4.53 \times 10^{13} \Omega\text{-cm}$
Dielectric Constant (100Hz)	3,35
Dissipation Factor (100Hz)	0,0034
Dielectric Strength (Volts/mil)	424
Operating Temperature	-40°C +200°C
UL Listing	746E

● INSTRUCTIONS FOR USE

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

