

Radical Polymerization Type Highly Reliable Silicone Adhesives

KER-43XX-UV Series (Fast Cure Type)

Features

- UV Cure Radical Polymerization Type Silicone Rubbers
One-component type, mixing is not necessary.
- Rapid cure type which realizes the shortening of tact time
Estimated light intensity: 4,000 mJ/cm²
※ Recommended light source: metal halide lamp (365 nm)
- After curing, it becomes a rubber elastic body and relaxes stress.
※ Hardness: Durometer A level
- Low cure shrinkage optimal for securing precision parts <0.1%
- Excellent long-term reliability (150°C thermal resistance) and moisture absorption reflow resistance

Application Examples

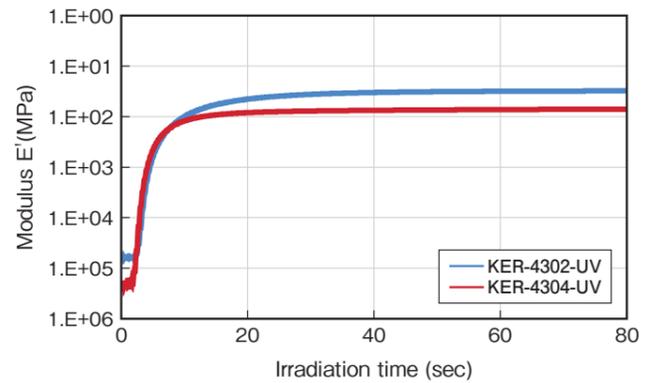
- Fixing of precision components for automotive ADAS and sensors



Curability data

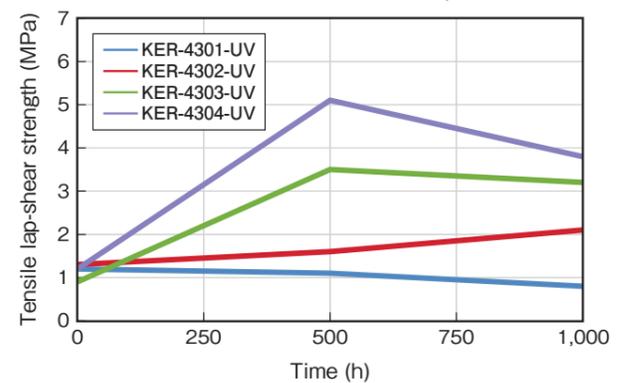
Curability of KER-43XX-UV series

UV light source: UV-LED (365 nm), illuminance: 100 mW/cm², thickness: 500 μm

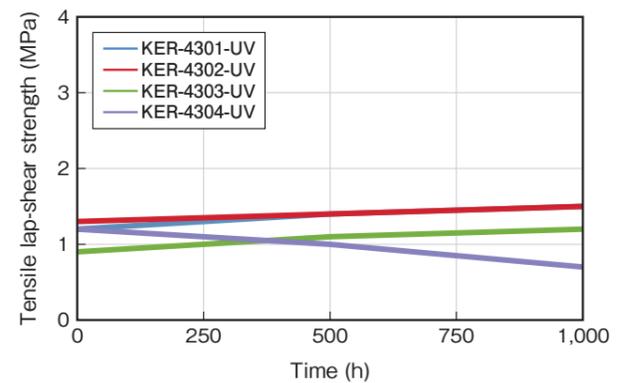


Long term reliability test data

Test condition : 150°C × 1,000 h



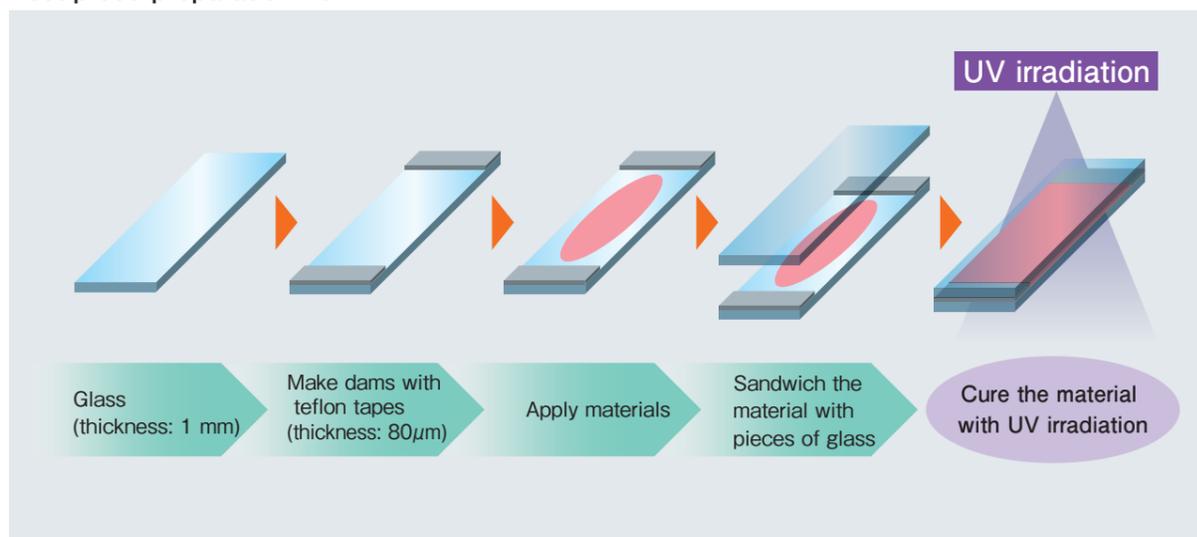
Test condition : 85°C/85% RH × 1,000 h



Moisture absorption reflow resistance test

Test condition : 85°C/85%RH×168h↔260°C×1min×3 cycle

Test piece preparation flow



Test results: Appearance observation

