



TECHNICAL DATA SHEET Tacusil UVA0202LV

6/17/2022

DESCRIPTION:

Tacusil UVA0202LV is a Medium viscosity, general purpose UV glue that bonds well to engineered plastics and metal substrates. UVA0202LV don't contain no-reactive solvent and fast cure upon exposure to UV light, and it' update version of UVA0202 in shrinkage and elongation

Because of oxygen inhibition on its surface during curing process, short wave length UV light as 260nm will reduce its surface tacky. This product is Halogen free and full complaint with RoHS directive 2011/65/EU and Reach directive 1907/2006(SVHC: 224 Items)

FEATRURES :

- General purpose
- Hight tensile strength and bonding strength to versatile substrate
- No VOCs, easy operation
- Low shrinkage in curing process

TYPICAL PROPERTIES:

All properties given are at 25 °C unless otherwise noted.

| Property: | Value: | Test Method or Source: |
|---|---------------------------|-----------------------------------|
| Color | Translucence/Blue | Visual |
| Cure Schedule | | |
| The minimum UV light intensity | 200Mw/cm2 | Power Puck II Radiometer |
| Typical Curing time(0.5mm thickness) | 20s | |
| Viscosity | 5500cps @1/s | Rheometer parallel plate 25mm@1/s |
| Thixotrophy area | 125 Pa.s | |
| Specific Gravity | 1.05 | ASTM D 1875 |
| Hardness | 55D | ASTM D2240 |
| Tensile Properties: | | ASTM D638/MTS |
| Strength | 2500 psi | |
| Elongation | 200% | |
| Lap shear strength | | ASTM D1002 |
| PC/PC | 9Mpa(SF) | |
| PC/Copper | 6.8Mpa(PC substrate fail) | |
| Non volatile content* | 100 | N/A |
| Coefficient of Thermal Expansion | 180ppm | ASTM E831 |
| Linear Shrinkage* | 1% | ASTM2556 |
| Service temperature * | -40~125C | |

* Asterisk denotes values considered typical to associated resin systems or extrapolated from other test results.

** This TDS contains values that have been updated. The values reported in this technical data sheet are typical values of the product, and are highly dependent on test conditions and methodology.

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INSTRUCTIONS:

- 1 This product cured with exposure to UV and visible light. Dispensing components including needles and fluid lines should be 100% light locking not just UV blocking.
- 2 For best performance bond surfaces should be clean and free from grease. Good exhaustion is necessary in the curing circumstance.
- 3 Cure speed is dependent upon many variables including lamp intensity, adhesive thickness and percent light transmission of components.
- 4 Oxygen in the atmosphere may inhibit surface cure. UVC light and high inert gas content in curing ambient will help to eliminate this surface tacky.

SHELF LIFE AND STORAGE:

Store product in the unopened container in a dry location.

Optimal Storage: 10 °C to 32 °C.

Shelf life: 9months

Material removed from containers may be contaminated during use. Do not return product to the original container. KPHZ cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated.

NOTES:

This product is intended for industrial use only. Keep it way from children. Personal protection wearing in necessary in using this adhesive including gloves, glass and face mask. In case contact it, remove it with soap and water. Make sure the operator to know clearly its safety information in SDS before use.