



TECHNICAL DATA SHEET Tacusil UVA0202HVS

02/10/2023

DESCRIPTION:

Tacusil UVA0202HVS is acrylic base resin paste with thixotropy, general purpose UV glue that bonds well to engineered plastics and metal substrates. This product don't contain no-reactive solvent and fast cure upon exposure to UV light.

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: 233 Items)

FEATRURES :

- General purpose
- Hight tensile strength and bonding strength to versatile substrate
- No VOCs, easy operation

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	38000cps @1/s	Rheometer parallel plate 25mm@1/s
Thixotrophy area	1200 Pa.s	
Specific Gravity	1.05	ASTM D 1875
Hardness	58D	ASTM D2240
Tensile Properties:		ASTM D638/MTS
Strength	2500 psi	
Elongation	65%	
Lap shear strength		ASTM D1002
PC/PC	11Mpa(SF)	
PC/Copper	6.8Mpa(PC substrate fail)	
Non volatile content*	100	N/A
Coefficient of Thermal Expansion	180ppm	ASTM E831
Linear Shrinkage*	1.5%	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.

INSTRUCTIONS:

TACUSIL MAKES NO EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY, FITNESS OR OTHERWISE with respect to its products. In addition, while the information contained herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestions for use are made without guarantee inasmuch as conditions of use are beyond our control. The properties given are typical values and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes.



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- 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.