

DESCRIPTION:

Tacusil UVA0240Gel adhesive cationic epoxy base dual-cure UV glue with thixotropy, which is designed for the application requiring low shrinkage and CTE. It contains special silica filler and has good adhesive to PBT, LCP and fiber glass. Heat secondary cure mechanism is for adhesive in shadow area and high thickness application, and it can also cure this adhesive even without UV curing process. Heat secondary cure can also reduce adhesive inner stress in UV curing process.

Because of cationic curing epoxy in this glue, short wave length UV light as 260nm is important to make its UV full cure. This product is Halogen free and full complaint with RoHS directive 2011/65/EU and Reach directive 1907/2006(SVHC: 223 Items)

FEATRURES :

- Low shrinkage, low CTE
- Heat Secondary cure for adhesive in shadow area
- 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	Off-white/light yellowish	Visual
Cure Schedule		
The minimum UV light intensity	200mw/mm2	Power Puck II Radiometer
Typical Curing time(365nm LED)	60s	
The max thickness of UV cure	3mm	
Secondary heat cure	30 mins@110C	
Viscosity , 25C /cps	250000cps	Rheometer parallel plate 25mm@1/s
Filler content	77%	calculate
Specific Gravity	1.6	ASTM D 1875
Hardness	90D	ASTM D2240
Tensile Properties:		ASTM D638/MTS
Strength	9000 psi	
Yung's Modules	220Mpa	
Elongation	0.1~0.3%	
Non volatile content*	100	N/A
Coefficient of Thermal Expansion	16ppm(-30~140C)	ASTM E831
Linear Shrinkage*	0.3%	ASTM2556

* 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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TECHNICAL
DATA SHEET
Tacusil UVA0240Gel

3/14/2022

INSTRUCTIONS:

- 1 Thawing this adhesive under room temperature for 60~120mins before use
- 2 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.
- 3 For best performance bond surfaces should be clean and free from grease. Good exhaustion is necessary in the curing circumstance.
- 4 Cure speed is dependent upon many variables including lamp intensity, adhesive thickness and percent light transmission of components.

SHELF LIFE AND STORAGE:

Store product in the unopened container in a dry location.

Optimal Storage: 0 °C to -20 °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.