TECHNICAL DATA SHEET
Tacusil UVA0207LV

04/27/2020

DESCRIPTION:

Tacusil UVA0207LV is low viscosity with thixotropy UV glue that bonds well to almost all plastic material and some low surface tension substrate. This product is designed for the application of bonding PET and PEEK film material in loudspeaker. It 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: 201 Items)

FEATRURES :

- PET and PEEK bonding
- Flexible with good strength
- High peel strength
- No VOCs, easy operation

TYPICAL PROPERTIES:

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

Property:	*Value:*	*Test Method or Source:*
Color	Translucence	Visual
Cure Schedule		
The minimum UV light intensity **Typical Curing time(0.5mm thickness)**	200mw/mm2 20s	Power Puck II Radiometer
Viscosity **Thixotrophy area**	12000cps @1/s 100 Pa.s	Rheometer parallel plate 25mm@1/s
Specific Gravity	1.06	ASTM D 1875
Hardness	60A	ASTM D2240
Tensile Properties: **Strength** **Elongation**	 900psi 450%	ASTM D638/MTS
Lap shear strength **PET**/PET PET/PEEK	 6Mpa 3.5Mpa(PEEK film fail)	ASTMD1002
Non volatile content *	100	N/A
Coefficient of Thermal Expansion by TMA *	270ppm	N/A
Service temperature range *	-40~125°C	N/A

* 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/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.