

DESCRIPTION:

Tacusil UVA0218 series products are UV/Visible light cure form in- Gasket material. This Gasket doesn't contain solvent and easily operation enable to improve production efficiency. It's soft and provides good adhesion to most substrate improving the stability comparing with traditional rubber "O"-ring.

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

TYPICAL PROPERTIES:

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

<i>Property:</i>	<i>Value:</i>	<i>Test Method or Source:</i>
Color	Translucence/Blue	Visual
Cure Schedule		
The minimum UV light intensity	200Mw/mm2	455300005390 / Power Puck II
Typical Curing time(0.5mm thickness)	30s	Radiometer
UVA0218LV Viscosity Thixotrophy area	7500cps@1/s 130Pa.s	Rheometer parallel plate 25mm@1/s 455300006291
UVA0218 Viscosity Thixotrophy area	50000cps@1/s 540 Pa.s	
UVA0218 Gel Viscosity Thixotrophy area	100,000cps@1/s 1800 Pa.s	
Specific Gravity	1.1	
Hardness	57A	455300006287/ASTM D2240
Water Absorption	1% after 24 hours	457561824543/ASTM D570
Tensile Properties:		455300006285/ASTM D638/MTS
Strength	4.2Mpa(630psi)	4535601224470/ASTM D638/Instron
Elongation(Speed: 50mm/min)	343%	
Non volatile content	100	455300005646
Coefficient of Thermal Expansion by TMA	220ppm	455300005340/ASTM E831 TMA, 5 °C/min
Service Temperature/C*	-40~125°C	
Linear Shrinkage*	2%	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.



TECHNICAL DATA SHEET

Tacusil UVA0218 Series

5/20/2020

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.
- 5 Heat under UV light will warm the assembled parts, peeled it off after cooling down.

SHELF LIFE AND STORAGE:

Store product in the unopened container in a dry location.
Storage information may be indicated on the product container labeling.
Optimal Storage: 10 °C to 32 °C.

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.