

ALPHA[®] HI-UV 5566T

DESCRIPTION

ALPHA HI-UV 5566T is fast cure one component UV adhesive designed to bond in various applications such as coating, fixing of components which requires high tensile strength reliability performance.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES AND BENEFITS

- One component
- Halogen-free
- Excellent adhesion
- Excellent workability
- Fast cure

PRODUCT INFORMATION

<u>Chemical Type:</u>	Urethane Acrylate
<u>Appearance:</u>	Pale yellow paste
<u>Curing Method:</u>	UV light source
<u>Typical Applications:</u>	Fixing of component
<u>Packing:</u>	ALPHA HI-UV 5566T product can be filled in various specified syringes and container per customer request.

TECHNICAL DATA

Category	Results
Typical Properties of Uncured Material	
Viscosity (Brookfield RV Spindle #6, 30rpm, @25 °C , cps)	8,000 to 18,000
Thixotropic Index	4.5 to 6.5
Specific Gravity	1.0 to 1.2
Pot Life @ 25 °C, days	7
Shelf Life @ 1 to 10 °C, months	6

Recommended Cure Condition

10seconds @ 200mW/cm², 365nm (Metal Halide Lamp)

Optimal cure conditions will depend on curing equipment and specimen(s) thickness.
Cure conditions may be dissimilar based on customers working process(experience) and application requirements.

Use recommended cure condition as general guideline.

Other cure conditions may yield satisfactory results.

Category	Results
Physical Properties of Cured Material	
Hardness (Shore D)	65 to 75
Glass Transition Temperature (°C), TMA	65(±5)
Coefficient of Thermal Expansion, TMA	
^a ₁ , <T _g , ppm	80 (± 10)
^a ₂ , <T _g , ppm	220 (±20)

Note

This product is light sensitive exposure to daylight, UV light and artificial lighting should be kept to a minimum during storage and handling.

ALPHA HI-UV 5566T is NOT fixed specification for mass production. Specific details may alter due to additional modification.

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

STORAGE

Optimal Storage: 1 to 10 °C

Store in unopened container, refrigerator at below 1 to 10 °C

Storage greater than 10 °C can adversely affect product properties.

Pot life of material is valid when stored at suggested storage condition. Inappropriate storage may degrade the performance of the product during dispensing and final cured properties.

Transfer the product from ice pack to fridge with **NO** delays.

DO NOT open the cap before the product is sufficiently thawed.

Material must be thawed at room temperature for 2hours.

Product should not be refrigerated again, once thawed to room temperature.

DO NOT return product to original container.

CONTACT INFORMATION

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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