

ALPHA[®] HiTech[™] UP44-5566T

Ultraviolet Cure Adhesive

DESCRIPTION

ALPHA HiTech UP44-5566T is a one-component UV cure system. It is suitable for fast curing and bonding in various applications such as coating and fixing of components. It provides the user with a balanced set of the following features and benefits:

- Fast Cure under a UV Light Source
- Excellent Adhesion
- Halogen Free
- Complies with RoHS Directive 2011/65/EU

APPLICATION

Storage	Thawing	Application	Curing	Safety
1. Store at 1 - 10°C to guarantee product stability. 2. Upright Position, tip facing bottom  3. Product is light-sensitive. Exposure to daylight, UV light and artificial lighting should be kept to a minimum.	4. Remove the syringe from the refrigerator. 5. Set aside at room temperature for 2 hours. 6. Do not open the cap before the product is sufficiently thawed. 7. To prevent contamination of unused product, do not return any material to its original container.	ALPHA HiTech UP44-5566T can be effectively dispensed at room temperature condition.	For full property development, cure under Metal Halide Lamp at 200mW/cm ² , 365nm and hold for a minimum of 10 seconds.	While ALPHA HiTech UP44-5566T is not considered toxic, its use in typical underfill processes will generate a small amount of reaction and decomposition vapors. These vapors should be adequately exhausted from the work area. Consult the SDS for additional safety information. The most recent version of the SDS is available from AlphaAssembly.com .

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TECHNICAL DATA

Category	Tentative Specification
Typical Uncured Material Properties	
Chemistry	Urethane Acrylate
Appearance	Pale Yellow Paste
Viscosity (RVDV-II Brookfield #6, 30rpm @25°C, cP)	8,000 – 18,000
Thixotropic Index	4.5 – 6.5
Specific Gravity	1.0 – 1.2
Pot Life @ 25°C, days	7
Shelf Life at 1 – 10°C, months	6
Available Packaging	10cc, 30cc syringe
Typical Cured Materials Properties	
Glass Transition (T _g), °C via TMA	65 ± 5
CTE (α ₁), <T _g , ppm	80 ± 10
CTE (α ₂), >T _g , ppm	220 ± 20
Hardness (Shore D)	65 - 75

CONTACT INFORMATION

To confirm this is the most recent issue, please contact Alpha Assembly Solutions
AlphaAssembly.com

<p>North America 300 Atrium Drive Somerset, NJ 08873, USA 800.367.5460</p>	<p>Europe Unit 2, Genesis Business Park Albert Drive Woking, Surrey, GU21 5RW, UK 01483.758400</p>	<p>Asia 8/F., Paul Y. Centre 51 Hung To Road Kwun Tong, Kowloon, Hong Kong 852.3190.3100</p>
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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 directory assistance Chemtrec 1 - 800 - 424 - 9300.

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