



Customized Adhesive Solutions

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NGAC UV-AB50

Technical Bulletin

One Component, UV Curable Urethane Acrylate

Description:

NGAC UV-AB50 is a non-yellowing and fast curing Urethane Acrylate. It was designed for rapid bonding of plastics and metals typically used in the manufacture of optical components.

NGAC UV-AB50 can be cured in seconds using visible/uv light. It also contains a secondary thermal cure mechanism for applications with shadowed areas.

Advantages and Applications:

NGAC UV-AB50 bonds extremely well to a broad range of substrates including most plastics and metals. NGAC UV-AB50 exhibits excellent surface wetting. It provides high chemical and temperature resistance and cures with very low shrinkage.

NGAC UV-AB50 features the following characteristics that enable ease of use.

Properties:

	Typical Value
Color	Light Brown
Viscosity	120,000 cps
Specific Gravity	1.58
Hardness Shore D	90
Operating Temperature:	-50 to +150°C
Heat Deflection Temperature	>200°C

Cure Profile:

Minimum Intensity:	200 mw/cm ²
Optimum Range:	365, 405 Nanometers

- This product requires direct UV/visible light exposure to cure
- There is variability in UV light sources. Therefore, we recommend each user evaluate light intensity and exposure time for their given application and UV equipment.
- Uncured/Shadowed Areas may be cured with heat (60 minutes at 150C depending on depth of cure required)

All values reported above are typical values and are for reference use only. These values are not intended for use in developing specifications. Application testing under specific conditions should be performed to determine actual results and fitness for use.