



AC A425-LV

UV-curable and Visible Light curable Adhesive

Features

- Visible light curable
- Low to medium viscosity
- Excellent adhesion to glass, plastics, metal and ceramics
- Excellent heat damp resistance

Description

- UV and visible light curable adhesive

APPLICATIONS

Laminating, and structural bondings.

TYPICAL PROPERTIES

Liquid

Viscosity (cps, 25 °C)	2,500 – 3,500
Storage (°C)	15 – 25
Shelf life (20 -25°C, away from direct light)	3 months
Pot life (20 -25°C, away from direct light)	1 month

Cured film

Shrinkage (linear, %)	< 0.3
Glass transition temperature (°C, DMA)	86
Hardness – Shore D	70 - 75
Refractive index of cured film (25°C)	
@ 589 nm	1.503
@ 1310 nm	1.490
@ 1550 nm	1.487

Physical properties tested at 25°C, 50% RH (ASTM D638)

.....Tensile (MPa)	18
Elongation (%)	66
Modulus (MPa)	245

Operating temperature (°C) -40 - 110

UV curing conditions

Flood cure system

400 – 600 nm filter 1 – 2

Visible cure capability

AC A425-LV will cured in the present of room light or florescent light within minutes depending on the size of the adhesive spot.

SAFETY AND HANDLING

The un-cured adhesive can be cleaned from apparatus with isopropyl alcohol (IPA), methyl ethyl ketone (MEK), or commercial alcohol based cleaning solution.

Use caution in handling this material. Avoid direct skin and eye contact. Use only in well ventilated areas. Use protective clothing, **gloves and safety goggles**. Read Material Safety Data Sheet before handling.

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