

ADHESIVE FOR COLOURED GLASS - UV6260



Permabond UV6260 is an extremely fast UV acrylic adhesive, specifically designed to bond through coloured glass giving tack free finish.

Coloured glass and plastics can be very hard to bond with UV adhesives due to the very low levels of light that reach the bond line. Permabond UV6260 was originally formulated for a customer who was having trouble curing a regular UV adhesive through coloured glass substrates.

Highly suited for the bonding of glass to many rigid plastics and in combination with metals, UV6260 cures fully tack-free and provides excellent durability when exposed to hot, humid conditions. The adhesive passes 85/85 testing, a common accelerated aging test used and sought after in the automotive industry.

Other key features of the product are its low shrinkage and high elongation at break, which makes it ideally suited to bonding dissimilar substrates with differences in thermal expansion and contraction. It is RoHS compliant, suitable for use in electronics applications and can easily be incorporated into high-speed production lines.



KEY FEATURES:

- ▶ Bonds through coloured substrates such as dark glass
- ▶ Cures at low UV intensities
- ▶ Suitable for bonding thermoplastics such as PC, PMMA & ABS
- ▶ Excellent chemical resistance
- ▶ Great resistance to heat & moisture - passes 85/85 testing
- ▶ Very fast, tack-free cure
- ▶ Low-odor
- ▶ RoHS compliant
- ▶ Resists yellowing

IDEAL FOR BONDING:

- Aluminum
- ABS
- Glass
- Mild Steel
- PC
- PET
- PET-G
- PMMA
- Stainless Steel
- *And many more*





DESCRIPTION

The following technical data for Permabond UV6260 is a guideline and does not constitute a specification. For full technical information, please refer to the technical data sheet, available at www.permabond.com.

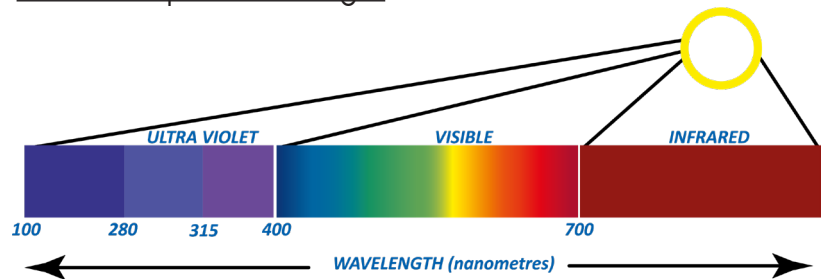
	UV6260
Description	UV adhesive which cures at low light intensity
Appearance	Pale yellow when uncured, clear when cured
Features	Cures through coloured substrates, excellent environmental durability
Viscosity @ 25°C	2 rpm: 45,000 mPa.s / 20 rpm: 17,000 mPa.s
Specific Gravity	1.0
Hardness (ISO868)	60 Shore D
Elongation at break (ISO527)	205%
Shear Strength (Overlap) N/mm	Polycarbonate: (PC): >11 *SF / Acrylic: >6 *SF / PETG: >9 *SF / Mild steel to PC: 6-10
Fixture time (Glass)	UV LED 395nm 150 mW/cm: <1 sec / UV LED 395nm 0.1 mW/cm: 6 secs
Cure Wavelength	365-420 nm
Storage	Temperatures between 5 and 25°C (41 to 77°F)
Packaging	50ml, 250ml, Bulk on request

TYPICAL APPLICATIONS:

- Perfume bottles
- Glazing
- Stained Glass
- Lighting
- Automotive ie lights, glazing etc
- Alcohol bottles
- Outdoor signage
- Lens bonding
- Solar panels
- POS Displays
- *And many more*

Cure time depends on the power of the UV lamp/torch, its spectral output, and the distance between the lamp and the components. LED UV lamps/torches have a narrow range of spectral output. It is important to test with different UV devices to ensure the peak wavelength provides the optimal adhesive cure.

Standard spectrum of light



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