

CRL UV703 UV ADHESIVE

CRL UV703 is a 100% solids, general purpose UV adhesive that forms resilient, high strength bonds between materials such as glass, steel, aluminum, stainless steel and many plastics. When bonding plastics, always test first, as not all plastics can be bonded properly. Do not bond any coated parts (powder coated or galvanized) with this adhesive. Bonds prepared from CRL UV703 are optically clear as well as resistant to moisture and yellowing. The adhesive cures within seconds upon exposure to ultraviolet light. The speed of cure depends on the UV intensity as measured at the product surface, as well as the adhesive depth. CRL UV703 has outstanding ability to cure through large gaps and it cures to a hard surface that is transparent. Store adhesive away from sunlight. CRL7528 Cleaner and Degreaser provides optimum adhesion when used first to prepare the glass by removing any dirt and grease that is present.

CRL UV ADHESIVES
UV703 High Viscosity



UNCURED PROPERTIES

COMPOSITION	Aliphatic Urethane Acrylate/Monomer Blend
VISCOSITY	3,000 - 6,000 cps at 25°C (77°F)
APPEARANCE	Transparent liquid with slight yellow tint
SPECIFIC GRAVITY	1.1 - 1.3 at 25°C (77°F)
FLASH POINT	200°F (93°C)
TOXICITY	Refer to Material Safety Data Sheet
SHELF LIFE	One year

CURED PROPERTIES

DUROMETER	Shore D 50 - 65
WATER ABSORPTION	Less than 1% (24 hour immersion)
TEMPERATURE RANGE	-40°C to 120°C (-40°F to 248°F)
REFRACTIVE INDEX	1.504 at 22°C (71.6°F) (typical, not a specification)

CURING INFORMATION

UV LIGHT:	UV INTENSITY	SUBSTRATES	BOND GAP	TIME TO CURE
	35 - 45 mW/cm ²	glass-glass	1 - 2 mils	5 - 10 seconds

THESE ARE TYPICAL PROPERTIES AND ARE NOT MEANT TO BE PRODUCT SPECIFICATIONS.

Note: The information contained in this data sheet is believed to be reliable. C.R. LAURENCE CO., INC. makes no representation or warranties of any kind concerning this information. It is the user's responsibility to determine the suitability of this product for any intended use. The user assumes all risk and liability connected with the use of this product.



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