



## UVA0209

### ONE COMPONENT UV CURABLE ADHESIVE

#### TECHNICAL DATA

#### Product Description

UVA0209 is high viscosity, fast curing urethane acrylate that bonds well to engineered plastics and metal based substrates. This product requires direct UV exposure during cure and needs to moisture cure under ambient for 24 hours to get better bonding strength and performance. For the application with shadow area, this material also can get full cure without UV.

#### APPLICATIONS

- Component bonding and strengthen
- Bonding application with small shadow area
- PET film

#### FEATURES

- Dural Cure
- UV curable
- Fast cure time
- Reduced surface tack

#### RECOMMENDED SUBSTRATES

- Metals
- Plastics

#### BIOCOMPATIBILITY

UNCURED PROPERTIES*			
Property	Unit	Value	Test Method
Solvent Content		No Nonreactive Solvents	N/A
Chemical Class		Acrylated Urethane	N/A
Appearance		Clear/ Little Yellow	N/A
Soluble in		Organic Solvents	N/A
Specific Gravity		1.03	N/A
Viscosity @ 25°C, (25mm, 1/S)	cps	40,000	N/A

CURED MECHANICAL PROPERTIES*			
Property	Unit	Value	Test Method
Durometer Hardness	Shore D	60	ASTM D2240
Lap Shear Strength (PC/PC), Just after UV	MPa	1	ASTM 1002
after 24 hours Ambient	MPa	6	ASTM 1002
Elongation	%	40	ASTM D638
Tensile Strength	MPa	16	ASTM D638
Operating Temperature Range	°C	-50 to 150	N/A

UV LIGHT CURE DATA*			
Property	Unit	Value	Test Method
Minimum Intensity	mW/cm <sup>2</sup>	200	N/A
Spectral Output	Nm	300 to 400	N/A
Optimum Wavelength	Nm	365, 415	N/A

#### Storage:

Store material in cool, dry location at a temperature between 10°C to 28°C. Material is sensitive to UV and visible light. It has a shelf-life of 6 months. Consult SDS for safe handling recommendations.

TACUSIL L.L.C. MAKES NO EXPRESS OR IMPLIED WARRANTIES OR MERCHANTABILITY, FITNESS OR OTHERWISE with respect to its products. In addition, while the information contained herein is believed to be reliable, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. All recommendations or suggestions for use are made without guarantee inasmuch as conditions of use are beyond our control. The properties given are typical values and are not intended for use in preparing specifications. Users should make their own test to determine the suitability of this product for their own purposes.