TECHNICAL BULLETIN

UV-8315

ONE COMPONENT UV CURABLE ADHESIVE

Product Description

UV-8315 is a low viscosity, fast curing urethane acrylate that bonds well to engineered plastics, glass and metal based substrates. This product requires direct UV exposure during cure. UV-8315 is also tested and qualified for Hub-Needle bonding application in the disposable medical devices industry.

APPLICATIONS	FEATURES	RECOMMENDED SUBSTRATES
• Glass Assembly	• Low Viscosity	• Metals
• Glass to metal	• High Temperature Resistant	• Glass
• Hub-Needle bonding	• Fast cure time	• Plastics
	• Reduced surface tack	

UNCURED PROPERTIES*		
Property	**Value**	**Test Method**
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Acrylated Urethane	N/A
Appearance	Clear Liquid	N/A
Soluble in	Organic Solvents	N/A
Specific Gravity	1.10	ESTM-04
Viscosity @ 25°C	200 cps	ASTM D1084

CURED MECHANICAL PROPERTIES*		
Property	**Value**	**Test Method**
Durometer Hardness, Shore D	70	ESTM-05A
Elongation, %	75	ASTM D638
Operating Temperature Range, °C	-50 to 130	N/A

UV LIGHT CURE DATA*		
Property	**Value**	**Test Method**
Minimum Intensity, mw/cm2	200	N/A
Spectral Output, Nm	300 to 400	N/A
Optimum Wavelength, Nm	365, 415	N/A

Curing:
With all cure systems, the time required for cure depends on several factors. Cure rates depend on the intensity of the light source, distance from the substrate etc. Use suggested cure conditions as general guidelines only.

Storage:
Store material in cool, dry location at a temperature between 10°C to 28°C. Material is sensitive to UV and visible light. Refer to packaging specific quote for shelf information. Consult SDS for safe handling recommendations.