

TECHNICAL BULLETIN

UV-8509R

ONE COMPONENT UV CURABLE ADHESIVE

Product Description

UV-8509R is a non-sag paste, fast curing urethane acrylate that bonds well to engineered plastics and metal based substrates. This product requires direct UV exposure during cure. Because of the variability of different UV light sources it is suggested that the user test and specify UV intensity and exposure time. This material is specially formulated to have reduced surface tack due to oxygen inhibition.

APPLICATIONS

- PET clamshell
- Connector seal

FEATURES

- Non sag paste
- UV curable
- Fast cure time
- Reduced surface tack

RECOMMENDED SUBSTRATES

- Metals
- Plastics

UNCURED PROPERTIES*

Property	Value	Test Method
Solvent Content	No Nonreactive Solvents	N/A
Chemical Class	Acrylated Urethane	N/A
Appearance	Clear	N/A
Soluble in	Organic Solvents	N/A
Specific Gravity	1.05	ESTM-04
Viscosity @ 25°C	Non Sag Paste	N/A

CURED MECHANICAL PROPERTIES*

Property	Value	Test Method
Durometer Hardness, Shore A	50	ESTM-05A
Elongation, %	200	N/A
Operating Temperature Range, °C	-50 to 100	N/A

UV LIGHT CURE DATA*

Property	Value	Test Method
Minimum Intensity, mw/cm ²	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. Refer to packaging specific quote for shelf information. Consult SDS for safe handling recommendations.

DISCLAIMER: All data given here is offered as a guide to the use of these materials and not as a guarantee of their performance. The user should evaluate their suitability for own purposes. Properties are typical and should not be used in preparing specifications. Statements are not to be construed as recommendations to infringe any patent.