TECHNICAL DATA SHEET
Cynergy CA7202

03/19/2010

W186 N11687 MORSE DRIVE GERMANTOWN, WI 53022
262-502-6610 FAX 262-502-4743

DESCRIPTION:

- Cynergy CA7202 is low viscosity combined with fast cure speed. It is classified as a surface insensitive cyanoacrylate adhesive. It is specifically formulated to bond difficult surfaces with high industrial strength. Ideal for bonding rough, porous and acidic surfaces including Wood, Cardboard, Balsa Wood, Rubbers, Plastics, Metals, and Leather.

Common substrates

- Acrylic
- Cardboard
- Polysulfone
- Steel
- Polycarbonate
- PEEK
- Wood
- Aluminum
- Polyimide
- PETG
- Latex
- Leathers

Set Times:

At standard indoor temperature and humidity, surface moisture on the substrates initiates the curing process. Handle strength is developed in a short time but curing continues for at least 24 hours before full chemical/solvent resistance is developed. The rate of cure will depend on substrate used.

Substrate	*Set Time (seconds)*	*Substrate*	*Set Time (seconds)*
Plastics	2-5	Rubbers	< 3
Wood	1-5	Leather	5-15
Metals	8-10	Ceramics	12-18

Typical Lap Shear:

Substrate	*Lap Shear (psi)*	*Substrate*	*Lap Shear (psi)*
Grit Blasted Steel	> 2900	Etch Aluminum	> 2610
Rubbers	> 3100	Polycarbonate	> 1740
Wood	> 3600	ABS	> 1400

PHYSICAL PROPERTIES:

All properties given are at 25°C unless otherwise noted.

PROPERTY:	VALUE:	TEST METHOD:
Color	Clear	
Viscosity	20 cps	
Nominal Gap fill	0.05 mm	

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PROPERTY:	VALUE:	TEST METHOD:
Specific Gravity	1.05	
Glass Transition Temp (by DSC)	122 °C	ASTM E228
Melting Point	160-170 °C	
Tensile Strength	2610 - 4060 psi	
Coefficient of Thermal Expansion	75 ppm/°C	ASTM D696
Dielectric Strength	685 v/mil	ASTM D149
Dielectric constant @ 25 ^{0}C	2.7	ASTM D150
Temperature Range **	-60 to 80°C	

INSTRUCTIONS:

1. Bring to room temperature prior to use if stored refrigerated. Surfaces should be clean and dry and free of and grease or debris. A light abrasion is recommended if possible.

2. If using an accelerator, apply to one surface only. Apply a thin film of adhesive to the other side and assemble immediately. Do not disturb or re-align joint until parts are set.

3. When bonding “O” rings, cut a fresh surface onto each end of the rubber to gain the best possible strength.

STORAGE:

Shelf life is one year at room temperature (77°F / 25°C). Refrigerated storage at 40°F is recommended to maximize shelf life. When stored in a refrigerator, allow the adhesive to gradually warm to room temperature prior to use. Avoid heat, direct sunlight and high moisture areas when storing. Avoid contaminating open containers. Do not return unused adhesive to original container. DO NOT refrigerate open containers.