TECHNICAL DATA SHEET
Cynergy CA7908

05/19/2020

N109 W13300 ELLSWORTH DRIVE GERMANTOWN, WI 53022
262-253-5900 FAX 262-253-5919

DESCRIPTION:

Resinlab® Cynergy CA7908 is a rubber toughened, thermally resistant cyanoacrylate adhesive. It is formulated to have a high viscosity and fast cure speed. The rubber imparts added flexibility and resistance to heat, humidity or damp environments. It bonds well to rubbers, metal, plastics and other challenging environments.

Cynergy CA7908 will have excellent hot strength and heat aging capabilities at temperatures up to 120 °C for periods in excess of 3000 hours. This product is ideal for applications such as speaker assemblies, automotive components, electrical equipment, oil filters and disk drives.

At standard indoor temperature and humidity, surface moisture on the substrate(s) initiates the cure. Handle strength is developed in a short time but curing continues for at least 24 hours before a full chemical/solvent resistance is developed.

TYPICAL PROPERTIES:

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

Property:	*Value:*	*Test Method or Source:*
Color	Clear	Visual
Viscosity @ 25 °C	4,000 – 4,500 cps	Brookfield Viscosity
Specific Gravity	1.1	Calculated
Cure Schedule	24 hours for full cure/cure dependent on substrate	
Substrate:	**Fixture time in seconds:**	
Neoprene rubber	8 – 12	
Nitrile rubber	5 – 10	
SBR rubber	10 – 20	
Polyurethane rubber	20 – 25	
Steel	20 – 30	
Aluminum	5 – 10	
Phenolic materials	50 – 90	
EPDM	30 – 80	
Gap Filling	0.55 mm	
Tensile Strength	1885 – 3625 psi	
Lap Shear Strength:	**In psi:**	ASTM D1002/DIN 53283
Neoprene rubber	>1740 psi	
Nitrile rubber	>1740 psi	
SBR rubber	>1450 psi	
PVC	>870 psi	
Aluminum	>870 psi	
Steel	>2320 psi	
Polycarbonate	>1015 psi	
Chemical Resistance:	**% Initial Strength retained:**	
Isopropanol @ 22 °C	85% at 500 hours, 85% at 1000 hours	
Gasoline @ 22 °C	80% at 500 hours, 75% at 1000 hours	
Motor Oil @ 40 °C	90% at 500 and 1000 hours	
Mineral Spirits @ 22 °C	90% at 500 and 1000 hours	

TECHNICAL DATA SHEET
Cynergy CA7908

05/19/2020

N109 W13300 ELLSWORTH DRIVE GERMANTOWN, WI 53022
262-253-5900 FAX 262-253-5919

Dielectric Strength	825 V/mil	ASTM D149
Glass Transition Temperature	130 °C	ASTM E228
Coefficient of Thermal Expansion	31 x 10^{-5} °C	ASTM D696
Melt Point Temperature	160 – 170 °C	
Service Temperature Range	-60 to 120 °C	

INSTRUCTIONS:

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

2.) If using an accelerator, apply to one surface only. Apply a thin film of adhesive to the other side and assemble immediately. Hold for several seconds and do not disturb or re-align the 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.

4.) Thin bondlines cure fastest. Increasing the bond gap will slow the rate of cure.

SHELF LIFE AND STORAGE:

12 months at 25 °C
Refrigerated storage is recommended to maximize shelf life.
If stored refrigerated, allow the adhesive to gradually warm prior to use.
Avoid heat, direct sunlight and high moisture areas when storing.
Do not return unused adhesive to the original container and do not refrigerate open containers.