

INSTANT ADHESIVE LIQUID • PLASTIC AND RUBBER BONDING

PART NO. CA100

DESCRIPTION

CA100 is a single-component, low- to medium-viscosity instant adhesive. It is suitable for general-purpose applications on metals, rubbers, or plastics.

PHYSICAL PROPERTIES

Technology / Base	Modified Ethyl			
Type of Product	Cyanoacrylate			
Components	One Component			
Curing	Humidity			
Appearance / Color	Colorless			
Consistency	Liquid			



Property	Value	Method/Condition						
Rheology								
Viscosity	110 +/- 20 cPs	Brookfield SC4-27, @ 25°C						
Density								
Specific Gravity	1.06	N/A						
Uncured Materials Characteristics								
Flash Piont Set Time Steel (sec) ABS (sec) EPDM (sec) Shelf Life	<12	N/A N/A N/A N/A						
Cured Materials Characteristics								
Full Cure Time Cure Appearance Service Temperature	24 hours Clear -55 to 95°C	N/A N/A N/A						
Cured Mechanical Properties								
See Graphs and Table								



INSTRUCTIONS

Surfaces to be bonded should be clean and dry. Dispense a drop or drops to one surface only. Apply only enough to leave a thin film layer after compression. Press parts together and hold firmly for a few seconds. Good contact is essential. An adequate bond develops in less that one minute and maximum strength is attained in 24 hours. Wipe off excess adhesive from the top of the container and recap. Products, if left uncapped, may deteriorate by contamination from moisture in the air. Because products cure by polymerization, whitening may appear on the surface of the container or the bonded materials. This will not affect adhesive performance.

CURING PERFORMANCE

Ambient surface moisture initiates the curing process. Handling strength is reached in a short time, and will vary based on environmental conditions, bond line gap, and other factors. Product will continue to cure for at least 24 hours before full strength and solvent resistance is developed.

STORAGE

Containers should be stored in a cool, dry, dark area. Storage temperature 15.5°C - 25°C (60°F - 77°F), without exposure to direct light or heat. Do not refrigerate.

SPECIFICATIONS AND APPROVALS

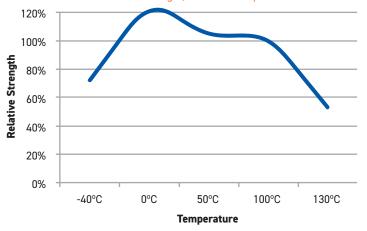
Mil-A-46050C, Type II Class 2, CID A-A-3097, Type II Class 2

SAFETY & DISPOSAL

For safe handling information and disposal instructions on this product, consult the Safety Data Sheet (SDS) Class 2.



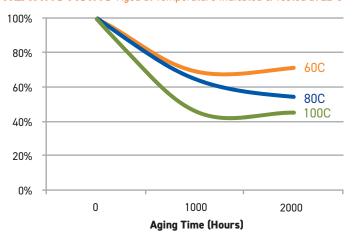
HOT STRENGTH %RT Strength, Tested at Temperature



SOLVENT RESISTANCE

Solvent	Resistance		
Alcohol	Excellent		
Ester (aromatic)	Excellent		
Ketone (aromatic)	Poor		
Aliphatic hydrocarbon (alkanes)	Good		
Aromatic hydrocarbons	Good		
Halogenated hydrocarbons	Poor		
Weak aqueous acid	Excellent (Poor if concentrated)		
Weak aqueous base	Excellent (Poor if concentrated)		

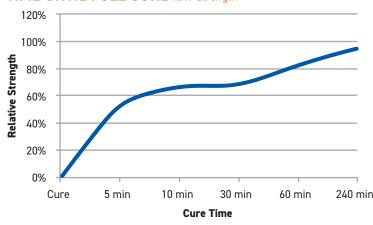
HEATING AGING Aged at Temperature Indicated & Tested at 22°C



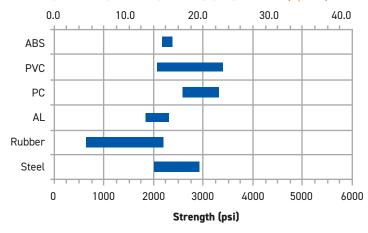
PERFORMANCE OF CURED ADHESIVE

Substrate	N/mm²			PSI				
Steel	13.8	to	20.1	2000	to	2920		
Rubber*	4.3	to	15.2	630	to	2200		
AL	12.6	to	15.8	1830	to	2290		
PC**	17.9	to	22.9	2590	to	3320		
PVC**	14.2	to	23.4	2065	to	3400		
ABS**	15.1	to	16.4	2185	to	2375		
*Rubber figures given are typical. Your results may vary by specific rubber type.								
Tested to ASTM 4501	*n/r = not recommended							

TIME UNTIL FULL CURE %RT Strength



PERFORMANCE RANGE BY SUBSTRATE (N/mm²)



DISCLAIMER

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TDS - Instant Adhesive - CA100 - Updated 11-10-2021



