



## 2010

## TECHNICAL DATA SHEET

2010 is a single-component, low- to medium-viscosity cyanoacrylate adhesive. It is suitable for general-purpose applications on metals, rubbers, or plastics. 2010 has been tested to ISO 10993-5 for cytotoxicity, making it suitable for use in medical device applications.

### Physical Properties - Monomer (Uncured)

Base Compound	Ethyl
Appearance	Clear
Viscosity	110 +/- 20 cps
Specific Gravity	1.06
Flash Point	85°C/ 185°F
Shelf Life	12 mo
Storage Condition	15.5°C to 25°C (60°F-77°F)
RoHS-Compliant	yes

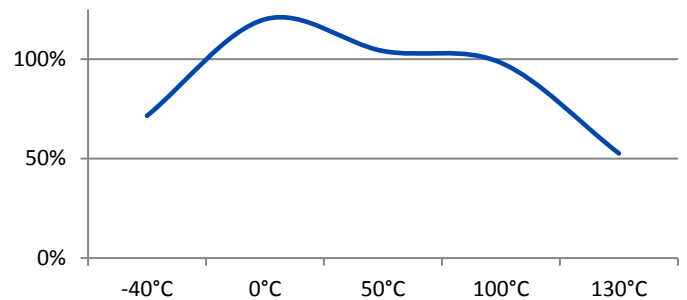
### Physical Properties - Polymer (Cured)

Full Cure Time	24 hours
Appearance	Clear
Service Temp Range	-55 to 95 °C ( -67 to 203 °F)

### Specifications and Approvals

10993-5  
Mil-A-46050C, Type II Class II, A-A-3097, Type II Class 2

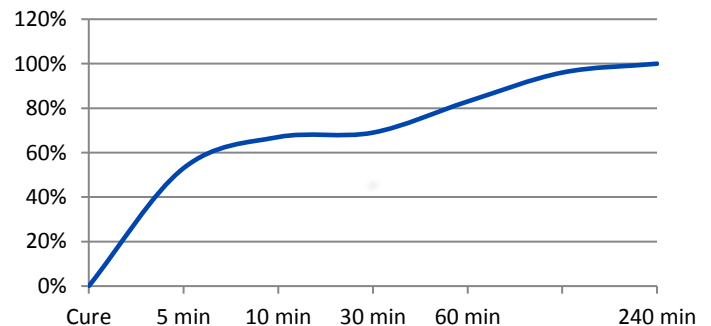
### Hot Strength (%RT strength, tested at temperature)



### Setting Time

Steel	20	seconds
ABS	12	seconds
EPDM	5	seconds

### Time Until Full Cure (% of RT strength)



### Performance of Cured Adhesive

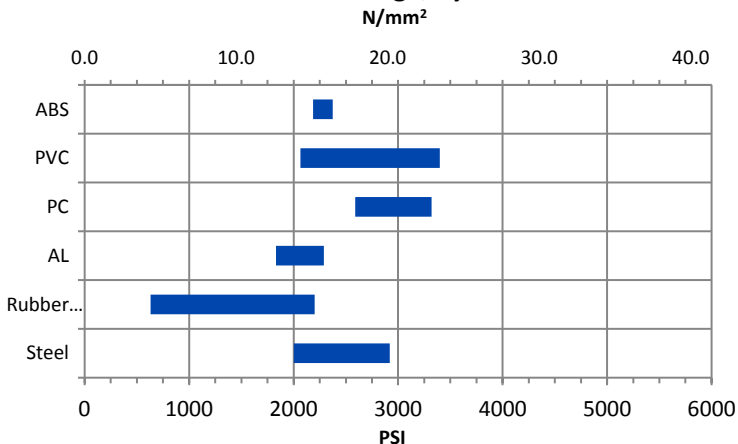
Substrate	N/mm <sup>2</sup>		PSI	
Steel	13.8	to 20.1	2000	to 2920
Rubber*	4.3	to 15.2	630	to 2200
AL	12.6	to 15.8	1830	to 2290
PC**	17.9	to 22.9	2590	to 3320
PVC**	14.2	to 23.4	2065	to 3400
ABS**	15.1	to 16.4	2185	to 2375

\*Rubber figures given are typical. Your results may vary by specific rubber type.

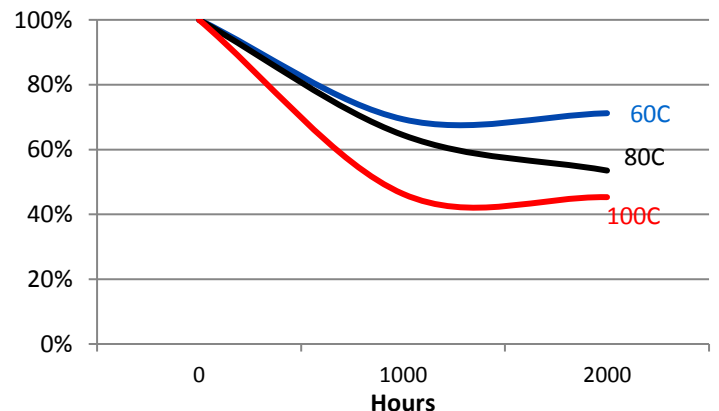
\*\*Tested to ASTM 4501

\*\*\*n/r = not recommended

### Performance Range, by Substrate



### Heat Aging (aged at temp indicated and tested @ 22°C)



## Solvent Resistance

Solvent	Example	Resistance
Alcohol	Ethanol, Methanol	+++
Ester (aromatic)	Ethylacetate	---
Ketone (aromatic)	Acetone, Benzophenone	---
Aliphatic hydrocarbon (alkanes)	Petrol, Heptanes, Hexane	+ + -
Aromatic hydrocarbons	Benzyl, Toluol, Xylol	+ + -
Halogenated hydrocarbons	Methylenchloride, Chloroform, Chlorobenzol	---
Weak aqueous acid	Nitrite, muriatic acid, sulphuric acid, phosphoric acid	+++ (--- if concentrated)
Weak aqueous base	sodium hydroxide solution, caustic potash	+++ (--- if concentrated)

## General 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 than 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.

## Note

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**For safe handling information on this product, consult the Safety Data Sheet (SDS)**

Cyberbond an H.B. Fuller Company  
401 N Raddant Road  
Batavia, IL 60510  
630.761.8900 tel  
[www.cyberbond1.com](http://www.cyberbond1.com)

Cyberbond Europe GmbH  
Werner-von-Siemens Straße 2  
D - 31515 Wunstorf  
Germany

