



BOSS[®] 9183 Cyanoacrylate Rubber Adhesive

TYPICAL PROPERTIES

Monomer (Liquid)

Base Compound Ethyl Cyanoacrylate
 Appearance Colorless Liquid
 Viscosity (cP @ 68°F) 15 cP
 Specific Gravity (g/cc) 1.06
 Flash Point (TCC) 185°F
 Shelf Life @ 40°F 1 Year Unopened

Polymer (Cured)

Appearance Colorless Solid
 Service Temperature Range -65°F - 200°F
 Softening Point 329°F
 Refractive Index (ND 20) 1.49
 Full Cure Time 24 Hours
 Dielectric Strength (KV/mm) 11.6
 Dielectric Constant (@ 1Kc) 5.4
 COE (in./in./F)000126
 Tensile Strength (steel/steel) 3200 psi
 Solubility Nitromethane, Acetone, Dimethylformamide

*Information on this data sheet is subject to change without notice and should not be used for writing specifications.
 For additional information on specific applications, contact Accumetric, LLC



PERFORMANCE OF CURED MATERIALS

Tensile shear strength after 48 hours at 69°F to 78°F (20°C to 25°C)

Substrate	Range in N/mm ²
Blasted Steel	19 to 25
Etched Aluminum	12 to 20
Neoprene	>10
ABS	>6
Polycarbonate	>5
PVC	>6

DESCRIPTION

BOSS[®] 9183 Cyanoacrylate Rubber Adhesive is a single component low viscosity cyanoacrylate adhesive. Extremely fast setting and specifically formulated for all types of rubber bonding applications.

CURING PERFORMANCE

The gap of the bond line will affect set speed. Smaller gaps tend to increase the speed. Activators can be applied to improve set speed but may also impair overall adhesive performance.

FEATURES

- Meets Military Specification Mil-A-46050C, Type II, Class 1
- Fast setting
- Formulated for all types of rubber bonding applications

CURING PROPERTIES

Ambient surface moisture will initiate the hardening process. Handling strength is reached in a short period of time and varies depending on environmental conditions and substrates being bonded. Product will continue to cure for at least 24 hours before full strength and resistances are developed.

SETTING TIME (68°F, 65% RH)

Steel	5 to 10 seconds
Aluminum	7 to 14 seconds
Neoprene	<3 seconds
ABS	3 to 5 seconds
Polycarbonate	5 to 10 seconds
PVC	3 to 5 seconds

HOW TO USE

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. If left uncapped product may deteriorate by contamination from moisture in the air. Because **BOSS® 9183** cures by polymerization, whitening may appear on the surface of the container or the bonded materials. Should this happen, wipe surfaces well with acetone.

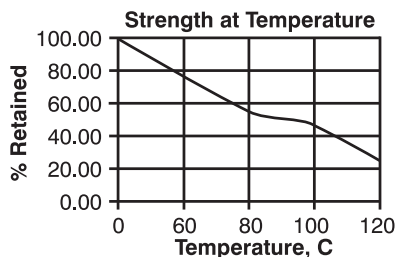
CHEMICAL RESISTANCE

Sheer strength on steel after 12 month soak

Solvent	% Strength Retained
Motor Oil	100
Gasoline	100
Trichloroethane	100
Freon TA	100
10% NaOH	0
10% Hcl	0
Water	0

TEMPERATURE RESISTANCE

Sheer Strength on steel after 1 week at 22°C



PACKAGING

BOSS® 9183 is available in 20 gr and 1.1 lb. bottles.

SHIPPING LIMITATIONS

None.
Reactive VOC 20 g/l (<2% wt)

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 9183** Cyanoacrylate Rubber Adhesive has a shelf life of 12 months from date of shipment. In Countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity.

Products can be refrigerated for improved shelf life but should be brought back to room temperature before use.

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non-warranty: Because the storage, handling and application of the material is beyond Accumetric's control, we can accept no liability for the results obtained. Accumetric's sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Accumetric will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted.

Suggestions of uses should not be taken as inducements to infringe any patents.

MADE IN U.S.A.

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