



## RP500

RP500 is a medium setting, general purpose adhesive designed to bond a wide variety of similar or dissimilar materials. The product is a versatile adhesive offering good climatic, thermal and impact resistance. Handling strength in 10 to 15 seconds.

<b>Technology / Base</b>	Ethyl
<b>Type of Product</b>	Cyanoacrylate
<b>Components</b>	One Component
<b>Curing</b>	Humidity
<b>Appearance / Color</b>	Clear
<b>Consistency</b>	Liquid

### Technical Data

<b>Uncured Material Characteristics</b>		<b>Value</b>	<b>Condition/Method</b>
Viscosity		500 cPs	
Specific Gravity		1.05	
Storage Condition		< 50°F	
Shelf Life		0	
Set Time	Steel	< 20 sec	
	Aluminum	<15 sec	
	Neoprene	<5 sec	
	ABS	<10 sec	
	PVC	<5 sec	
	Polycarbonate	<30 sec	
	Phenolic	<10 sec	
<b>Cured Material Characteristics</b>			
Shear Strength	Steel	>2100 psi	ASTM D1002, DIN 53283
	Aluminum	>1750 psi	ASTM D1002, DIN 53283
	Neoprene	>1000 psi ^	ASTM D1002, DIN 53283
	ABS	>885 psi ^	ASTM D1002, DIN 53283
	PVC	>640 psi ^	ASTM D1002, DIN 53283
	Polycarbonate	>825 psi ^	ASTM D1002, DIN 53283
	Phenolic	>850 psi	ASTM D1002, DIN 53283
Tensile Strength		1900 to 4000 psi	ASTM D2095, DIN 53283
Damp Heat Aging			
Dielectric Constant			
Dissipation Factor			
Volume Resistivity			



## General Instructions

For optimum results parts should be clean and free from any contamination on the bonding surface. If parts do not mate flush together use a higher viscosity product to compensate for the gap. Factors Affecting Cure Speed Include: GAP: Thin bond line results in faster cure speed. Larger gaps will lengthen cure speed. HUMIDITY: Cure and fixture times can be influenced by the humidity conditions at the time of assembly. The higher the RH the faster cure and fixture times will be. Fixture time data based on our testing is conducted at 50% relative humidity.

## Specifications and Approvals

MIL A 46050 Type II Class I

## Storage

The RP series is ideally stored in a cold, dry location in unopened containers. Optimal storage temperature is under 50°F. To prevent contamination of unused product, do not return any material to its original

## Safety & Disposal

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

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