

**PALM LABS ADHESIVES**  
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## **TURBO FUSE SERIES 160 – LOW ODOR/LOW BLOOM (1000 Viscosity)**

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 160 advanced formula is designed to polymerize instantly by absorbing surface moisture. The product's performance has been tested with a variety of materials, and is recommended for a multitude of applications. The fast curing qualities make it especially desirable in high speed industrial production. TURBO FUSE SERIES 160 is ideal for use in applications that require an easily handled high viscosity adhesive. The Low Odor / Low Bloom formula is widely used in the Aerospace, Automotive and Electronic industries.

Part Numbers for this TDS: 04-160L/O, 10-160L/O, 15-160L/O, 20-160L/O, 25-160L/O, 30-160L/O, 35-160L/O

### **PHYSICAL PROPERTIES (Liquid State)**

Base compound (Resin)	Methoxyethyl Cyanoacrylate
Appearance	Clear Liquid
Viscosity cP	900 to 1100
Specific Gravity	1.05
Flash Point	170° F - 200° F (Tagliabue closed cup)
Shelf Life	6 Months
Soluble in Acetone, MEK, Amide, Methylene Chloride	

### **PHYSICAL PROPERTIES (Cured State)**

Appearance	Clear-Hard
Softening Temperature (Fahrenheit)	330°F.
Service Temperature (Fahrenheit)	-65° to 250°F.
Hardness Barcol	65
Dielectric Constant at 1 MHz.	3.33
Specific Resistance	8.6 X 10 <sup>2</sup> ohm/cm
Strength psi-Tensile Shear	2,500
Gap Fill	0.008 "

### **MATERIAL SET UP TIME**

Aluminum to Aluminum	10 to 20 seconds
Steel to Steel	30 to 75 seconds
Phenolic to Phenolic	15 to 30 seconds
Acrylic to Acrylic	25 to 50 seconds
Rubber to Rubber	< 10 seconds

Because of the 1000 viscosity, it works especially well in bonding porous surfaces like ceramics, and is excellent for bonding metal and rubber parts. The Low Odor/Low Bloom formula works especially well in Production Plants with limited ventilation.

INFORMATION ON THIS PRODUCT AND OTHERS SUPPLIED TO USER IS BASED ON OUR GENERAL EXPERIENCE AND IS GIVEN IN GOOD FAITH, BUT BECAUSE OF THE MANY PARTICULAR FACTORS WHICH ARE OUTSIDE OF OUR KNOWLEDGE AND CONTROL AND AFFECT THE USE OF THE PRODUCT, NO WARRANTY IS GIVEN OR IMPLIED WITH RESPECT TO SUCH INFORMATION. FREEDOM UNDER PATENTS, COPYRIGHTS AND REGISTERED DESIGNS CANNOT BE ASSUMED.

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