

**TURBO FUSE SERIES 160 – MEDICAL DEVICE APPROVED  
(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. This formula is widely used in Medical Device applications.

**PHYSICAL PROPERTIES (Liquid State)**

Base compound (Resin)	Ethyl Cyanoacrylate
Appearance	Clear Liquid
Viscosity cP	900 to 1200
Specific Gravity	1.05
Flash Point	170° F - 200° F (Tagliabue closed cup)
Shelf Life	1 Year
Soluble in Acetone, MEK, Amide, Methylene Chloride	

**PHYSICAL PROPERTIES (Cured State)**

Appearance	Clear-Hard
Softening Temperature (Fahrenheit)	300°F.
Service Temperature (Fahrenheit)	-65° to 180°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	20 to 40 seconds
Phenolic to Phenolic	10 to 25 seconds
Polycarbonate to Polycarbonate	20 to 40 seconds
Rubber to Rubber	< 10 seconds

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