

**PALM LABS ADHESIVES**  
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## **TURBO FUSE SERIES 110 – MEDICAL DEVICES (5 Viscosity)**

Palm Lab's cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 110 MEDICAL DEVICES 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 MEDICAL DEVICES is ideal for use in applications that require good "wicking" characteristics and/or in close fitting applications approved for use on Medical Devices.

Part Numbers for this TDS: 04-110M, 10-110M, 15-110M, 20-110M, 25-110M, 30-110M

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

Base compound (Resin)	Ethyl Cyanoacrylate
Appearance	Clear Liquid
Viscosity cP	2 to 5
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
Gap Fill	0.002"

### **MATERIAL SET UP TIME**

Aluminum to Aluminum	3 to 5 seconds
Steel to Steel	5 to 15 seconds
Phenolic to Phenolic	3 to 5 seconds
Polycarbonate to Polycarbonate	3 to 10 seconds
Rubber to Rubber	< 3 seconds

Because of TurboFuse 110 Series low viscosity, it works especially well in close fitting applications such as metal to metal bonding, and rubber to rubber such as "O" ring repair/manufacture.

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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