

TURBO FUSE SERIES 180 –BLACK TOUGHENED (2400 Viscosity)

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 180 - BLACK TOUGHENED 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 180 - BLACK TOUGHENED is ideal for use in applications that require an easily handled high viscosity adhesive. This formula is widely used in the Aerospace, Automotive and Electronic industries.

Part Numbers for this TDS: 09-180B, 10-180B, 15-180B, 20-180B, 25-180B, 30-180B, 35-180B

PHYSICAL PROPERTIES (Liquid State)

Base compound (Resin)	Ethyl Cyanoacrylate
Appearance	Black Liquid
Viscosity cP	2300 to 2500
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	Black-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 ² ohm/cm
Strength psi-Tensile Shear	2,500
Gap Fill	0.008 "

MATERIAL SET UP TIME

Aluminum to Aluminum	15 to 30 seconds
Steel to Steel	40 to 100 seconds
Phenolic to Phenolic	50 to 90 seconds
Polycarbonate to Polycarbonate	50 to 80 seconds
Rubber to Rubber	10 to 30 seconds

Because of the 2400 viscosity, it works especially well in bonding porous surfaces like ceramics, and is excellent for bonding metal and rubber parts. The BLACK TOUGHENED formula is especially good for sound speakers.

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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