

## TURBO FUSE SERIES 143 – BLACK TOUGHENED (300 Viscosity)

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 143 – 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 143 is ideal for use in applications that require an easily handled medium viscosity adhesive.

**Part Numbers for this TDS:** 04-143B, 10-143B, 15-143B, 20-143B, 25-143B, 30-143B, 35-143B

### PHYSICAL PROPERTIES (Liquid State)

Base compound (Resin)	Ethyl Cyanoacrylate
Appearance	Black Liquid
Viscosity cP	280 to 320
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)	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	0.006 "

### MATERIAL SET UP TIME

Aluminum to Aluminum	25 to 125 seconds
Steel to Steel	65 to 110 seconds
Phenolic to Phenolic	20 to 60 seconds
Polycarbonate to Polycarbonate	25 to 75 seconds
Rubber to Rubber	10 to 20 seconds

Because of the 300 viscosity, it works especially well in close to medium fitting applications such as unfinished metal to metal bonding, metal to rubber, and rubber to rubber, such as "O" ring repair/manufacture. 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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