

TURBO FUSE SERIES 180 (2400 Viscosity)

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 180 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 is ideal for use in applications that require an easily handled high viscosity adhesive.

Part Numbers for this TDS: 04-180, 10-180, 15-180, 20-180, 25-180, 30-180, 35-180

PHYSICAL PROPERTIES (Liquid State)

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

MATERIAL SET UP TIME

Aluminum to Aluminum	< 20 seconds
Steel to Steel	30 to 50 seconds
Phenolic to Phenolic	< 40 seconds
Polycarbonate to Polycarbonate	50 to 70 seconds
Rubber to Rubber	< 10 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.

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