

PALM LABS ADHESIVES
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**TURBO FUSE SERIES 190 CLEAR FLEXIBLE
(4000 Viscosity)**

Palm Lab's Cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 190 CLEAR FLEXIBLE advanced formula is designed to polymerize instantly by reacting with surface moisture. The product's performance has been tested with a variety of materials, and is recommended for a multitude of applications that require a relatively thick, viscous adhesive with flexible bondness. The fast curing qualities make it especially desirable in high speed industrial production. It is also ideal for applications on vertical or angled surfaces.

Part Numbers for this TDS: 04-190CF, 10-190CF, 15-190CF, 20-190CF, 25-190CF, 30-190CF, 35-190CF

PHYSICAL PROPERTIES (Liquid State)

Base compound	Ethyl Cyanoacrylate
Appearance	Clear Liquid
Viscosity cP	3500 to 5000
Specific Gravity	1.05
Flash Point	176° 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 210°F.
Shore Hardness	80 - 90
Dielectric Constant at 100 kHz.	2.44 / 0.04
Volume Resistance	158×10^{12}
Tensile Strength	$\geq 5^{LMS}$ psi ≥ 725
Gap Fill	0.009 "

MATERIAL SET UP TIME

Aluminum to Aluminum	< 20 seconds
Steel to Steel	10 to 25 seconds
Phenolic to Phenolic	30 to 50 seconds
Polycarbonate to Polycarbonate	10 to 20 seconds
Rubber to Rubber	< 20 seconds

Because of the 4000 viscosity, it works especially well in poor fitting applications such as rough metal or ceramic repair, unfinished metal to metal bonding, and metal to rubber. This product is a very good, thick, almost gel like adhesive.

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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