

TURBO FUSE SERIES 110SI – SURFACE INSENSITIVE (5 Viscosity)

Palm Lab's cyanoacrylate is a one component rapid bonding adhesive. TURBO FUSE SERIES 110SI SURFACE INSENSITIVE 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 is ideal for use in applications that require good "wicking" characteristics and/or in close fitting applications.

Part Numbers for this TDS: 04-110SI, 10-110SI, 15-110SI, 20-110SI, 25-110SI, 30-110SI, 35-110SI

PHYSICAL PROPERTIES (Liquid State)

Base compound (Resin)	Surface Insensitive 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 ² 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 110SI 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.

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