



# TECHNICAL DATA SHEET

## H-1005 SUPER GLUE INDUSTRIAL DUTY

**PRODUCT NAME:** H-1005 Super Glue Industrial Duty

**DESCRIPTION:** Hy-poxy's cyanoacrylate is a one component rapid bonding adhesive. H-1005 advanced formula is designed to polymerize instantly by absorbing surface moisture.

**APPLICATIONS:** The product's performance has been tested with a variety of materials, and is recommended for bonding plastics and can solve a multitude of applications. The fast curing qualities make it especially desirable in high speed industrial production. H-1005 is ideal for use in applications that require an easily handled low viscosity adhesive. This product will fill minor gaps (.002"-.004") between parts to be adhered such as rough machined metal.

### PHYSICAL PROPERTIES (Liquid State)

Base compound (Resin)	Ethyl Cyanoacrylate
Appearance	Clear Liquid
Viscosity cP	30 to 40
Specific Gravity	1.05
Flash Point	180°F.
Shelf Life	1 Year
Soluble in Acetone, MEK, Nitromethane, 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 <sup>2</sup> ohm/cm

### MATERIAL SET UP TIME

Aluminum to Aluminum	10 to 15 seconds
Steel to Steel	10 to 15 seconds
Phenolic to Phenolic	5 to 7 seconds
Acrylic to Acrylic	7 to 10 seconds
Rubber to Rubber	5 to 7 seconds

Because of the H-1005 40 viscosity, it works especially well in close to medium fitting applications such as broken ceramic repair, unfinished metal to metal bonding, metal to rubber and rubber to rubber such as "O" ring repair/manufacture. This product is a very good, easy to handle general purpose adhesive.

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