

PERMABOND®

**1001 Butyl
Cyanoacrylate Adhesive**



Ref #: 010104PB1001

PHYSICAL PROPERTIES OF THE UNCURED ADHESIVE

Properties	
Base Compound	Butyl Cyanoacrylate
Appearance	Violet Transparent
Viscosity @ 25°C (77°F), mPa.s (cP)	5
Specific Gravity	1.05
Shelf Life stored at 2°-7°C (35-45°F), months	12
Flash Point °C (°F)	110 (230)

PERFORMANCE OF THE CURED ADHESIVE

Softening Point, °C (°F)	150 to 170 (302 to 338)
Dielectric Strength, volts/mm (volts/mil)	10,000 (250)
Water Absorption, %	<2
Elongation, %	<5
Cytotoxicity	Pass

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PERFORMANCE PROPERTIES

Fixture Time, seconds	
Steel	<60
Buna N	<60
Phenolic	<60
Lap Shear Strength, psi @ 24 hours	700
Steel	

STORAGE & HANDLING

Cyanoacrylates should be refrigerated for optimum shelf life. Product must be brought to room temperature before use. Dispensing of the product should be done while wearing polyethylene gloves and safety glasses. Do not use rubber or cloth gloves. This material forms strong bonds to skin and tissue. Unwanted bonds can be broken by peeling and flexing carefully. Immersion in soapy water aids in breaking the bond. If cyanoacrylate should come in contact with the eye, seek medical attention.

Vapors can irritate eyes and mucous membranes. Use materials with proper ventilation and avoid use of excessive adhesive. Bond soon after application.

CLEAN UP OF SPILLED LIQUID

When large quantities of cyanoacrylate adhesives are accidentally spilled, the area should be flooded with water that will cause the liquid cyanoacrylate to cure. The cured material can then be scraped easily from the surface. NOTE: The liquid adhesive should not be wiped up with rags or tissue. The fabric will cause polymerization and large quantities of adhesive will generate heat on cure, causing smoke and strong irritating vapors. ALWAYS FLOOD WITH EXCESS WATER TO CLEAN UP SPILL CONDITIONS.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN.