

## ***Instant Bonder 101***

## ***Technical Data Sheet***

**GENERAL INFORMATION:** *SAF-T-LOK* cyanoacrylate adhesives are a specialized series of single component, solvent free liquids that are individually formulated for instant bonding of mated metal, plastic, rubber and other non-porous parts and assemblies.

Instant Bonder adhesives cure at room temperature without pressure to provide exceedingly high bond strengths. Cure is catalyzed by weak alkaline materials including trace amounts of moisture on the surface of parts to be bonded. Shrinkage is negligible because Instant Bonder adhesives contain 100% reactive materials. Solvent resistance is very good.

**PRODUCT DESCRIPTION:** *Instant Bonder 101* offers the optimum product characteristics for rapid bonding. Developed to provide the correct cure and viscosities for a variety of bonding requirements with engineered substrates. This methyl cyanoacrylate product satisfies most applications requirements.

Use sparingly, larger bond line gaps result in somewhat slower cure and lower bond strength. Products are packaged in 1/3 ounce bottles, 12 per case, 4 ounce bottles, 5 per case, and 1 pound bottles, 2 per case. Instant Bonder adhesive should be kept in a cool, dry location. For best results, store in a refrigerator at 35° to 40°F. Exposure to sunlight is to be avoided.

### **PRODUCT CHARACTERISTICS:**

Base	Methyl cyanoacrylate
Color	Colorless/Transparent
Viscosity (cps)	100
Solids Content	100%
Solvent Content	Zero
Specific Gravity	1.09
Refractive Index	1.45 (Similar to glass)
Vapor Pressure	10mm at 170°F
Flash Point (SETA)	167°F

### **Resistance Qualities:**

- (1) Temperature -Varies with substrate and exposure though in general optimum bonding performance within range of -114° to 168°F
- (2) Water -Unaffected for several weeks, after which poorly designed joint strength may decrease as much as 45% in shear values.
- (3) Oils -Good resistance to motor oils.

**IMPORTANT NOTICE:** All statements and technical data contained herein are based on tests we believe to be reliable, but the accuracy of completeness thereof is not guaranteed. It is recommended that the buyer test this product to determine its suitability for his application before use. **SAF-T-LOK International Corporation** is not responsible for loss, claim or damages resulting from use of its products.