

## Introduction

SealXpert™ CA496 is  $\alpha$ -cyanoacrylate adhesive, it does not contain solvent, but it is highly polymerize with moisture in the air for a fast cure and high bond strength. SealXpert™ CA496 is a general purpose, medium viscosity, suitable for metal bonding and instant curing adhesive.

## Typical Applications

Used for metal bonding, applicable to electronics, automobile, watercraft, precision machine, home electric appliance, sound equipment, arts and crafts, toys, building, and wood etc fields.

## Typical Properties of Uncured Material

|                                       | Typical Value                        | Range   |
|---------------------------------------|--------------------------------------|---------|
| Appearance                            | Transparent liquid                   |         |
| Basis material                        | $\alpha$ -Cyanoacrylate Ethyle ester |         |
| Viscosity (mPa.s)                     | 120                                  | 100-150 |
| (NDJ-1A, 1# Rotor, 60rpm)             |                                      |         |
| Specific Gravity (g/cm <sup>3</sup> ) | 1.10                                 |         |
| Fixture (s)                           |                                      | <20     |
| Flash Point (°C)                      |                                      | >81     |
| Max. Gap Fill (mm)                    | 0.10                                 |         |

## Typical Properties of Cured Material

|  |        |
|--|--------|
| Full curing time at room temperature (h) | 24     |
| Shear Strength (MPa)                     | 25     |
| Working Temperature (°C)                 | -55~83 |

## Chemical/Solvent Resistance

Aging under the conditions below and tested at 22°C

| Solvent         | Temp<br>(°C) | %of Initial Strength |      |       |
|-----------------|--------------|----------------------|------|-------|
|                 |              | 100h                 | 500h | 1000h |
| Lubricating oil | 40           | 100                  | 100  | 100   |
| Leaded gasoline | 22           | 95                   | 95   | 95    |
| Ethanol         | 22           | 100                  | 100  | 100   |
| Acetone         | 22           | 95                   | 95   | 95    |
| RH 95%          | 40           | 70                   | 50   | 40    |
| RH 95% (PC)     | 40           | 100                  | 100  | 100   |

## Directions for Use

For best performance, surfaces should be cleaned, dry and free from grease. Apply the product to one surface (or two surfaces), then fold and press the two surfaces instantly.

Apply the adhesive in small quantity to achieve better effect.

## Notice

Keep away from children.

The product contains cyanoacrylate ester, which may irritate skin and eyes. It is recommended to use the product at a well-ventilated place.

This product can bond to the skin and eyes instantly, please wear goggle and glove while using product. In case of contact with skin, dip in tepid water and peel off the adhesive. If contact with eyes, rinse immediately with water and seek a physician.

Please refer to MSDS for more details.

## Package

Item No.: CA496, 20g bottle

## Storage

Store in refrigerator at 0 to 8°C.

The product shelf life is 12 months.