

Introduction

SealXpert® CA480 Cyanoacrylate Adhesive contains no solvent, polymerizes highly with moisture in air and cures fast with high strength. It is a black, medium viscosity, impact resistant instant curing adhesive.

Typical Applications

Used for bonding most of the materials, wide application. Especially for difficult-to-bond material and impact resistant bonding, such as plastic, rubber, leather, wood and metal etc. Suitable application includes precise electric industry, automobile industry, precise machinery industry, household electric appliance industry, wood industry, artware industry, toy industry, marine, construction industry and audio equipment etc.

Typical Properties of Uncured Material

	Typical value	Range
Appearance	Black liquid	
Basis material	α - Cyanoacrylate Ethyle ester	
Viscosity (mPa.s) (NDJ-1A, Spindle 1, 30rpm)	250	100-400
Specific Gravity (g/cm ³)	1.10	
Fixture (s)		<40
Flash Point (°C)		>93
Max. Gap Fill (mm)	0.10	

Typical Properties of Cured Material

	Typical value	Range
Full curing time at room temperature (h)	24	
Shear Strength (MPa)	22	
Working Temperature (°C)		-55-83

Chemical/Solvent Resistance

Aging under the conditions below and tested at 22°C

Solvent	Temperature (°C)	% of Initial Strength		
		100h	500h	1000h
Lubricating oil	40	95	95	95
Leaded gasoline	22	100	100	100
Ethanol	22	100	100	100
Isopropanol	22	100	100	100
Freon TA	22	100	100	100
RH 95%	40	70	50	40
RH 95% (PC)	40	100	100	100

Direction for Use

1. For best performance, surfaces should be clean, dry and free of grease.
2. 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.

Safety and Handling Consideration

Keep out of reach of children.

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

The product can bond the skin and eyes instantly, please wear goggle and glove while operating.

In case of contact with skin, dip in warm soap water and peel off the adhesive. Do not peel off with knife. In case of contact with eyes, rinse with clean water immediately, and call a physical attention.

More detail, please refer to MSDS of this product.

Recommended Storage:

Stored in refrigerator at 2-8°C.

Shelf life is 6 months

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