TECHNICAL INFORMATION

CA 200

High Temperature Speciality Cyanoacrylate.

DESCRIPTION
CA 200 is unmatched in performances when compared to Ethyl, Ethoxy and Methyl Cyanoacrylates where maximum temperature reaches only 120C, with significantly reduced % of ultimate bond strength.
CA200 out performs all other Cyanoacrylates for Temperature Resistance.

APPLICATIONS
Intermittent or constant exposure to elevated temperatures, extremes of temperatures up to 200C. Post curing to an even Higher Strength @ 175C to form Temperature Resistant bonds on most Metals, Rubbers etc.

USEFUL HINTS/NOTES
Use CA200 to hold components in place on circuit boards where wave soldering temperatures kill other superglues.

PROPERTIES
When heating up items after bonding, 30 minutes @ 150C above will increase strength by 40% of cold bond strength and influence the products long term resistance to its fullest once cured.

INSTRUCTIONS FOR USE
Ensure parts are clean, dry and free from oil and grease.

PROCEDURE FOR APPLICATION
Apply sparingly to one side and hold parts until handling strength is achieved.

COMPATIBLE ACCELERATORS/PRIMERS
Not recommended, but the following primers such as A021 or Double Strength A113 as accelerators for fillet cure for priming absorbent surfaces will help speed cure the material.

TECHNICAL FEATURES

Resin……Allyl 2 Cyanoacrylate
Colour…….Clear
Cure Speed With Activator……..…Not recommended
Cure Speed Without Activator……<30 seconds
Viscosity…..…….6-20cps
Gap Fill……0.05 mm
Flash Point……..>90°C
Shelf Life……12 months @ 20C
Specific Gravity……..1.06
Max. Operating Temperature…….-30°C to + 200°C

CURED PERFORMANCE
Fixture Time:…….. <40 seconds
Refractive Index:…… 1.46
Dielectric Constant:…… 3.5 @ 10kHz
Volume Resistivity:…… 8.6 x 10(2) Ohm.cm
Post Cure @ 175C……. 10 minutes
Tensile Strength:…… 36 N/mm^2
Tensile Shear Strength - Steel;…….. 22 N/mm^2
- Plastic…… 35 N/mm^2
- Viton……. 8 N/mm^2*
*Substrate Failure

STORAGE
Store in a cool area out of direct sunlight
Refrigeration to 5C gives optimum storage stability.

PRESENTATION
Bottles:……..20g, 50g, 500g

HEALTH & SAFETY IN USE
DANGER -Superglue bonds skin and eyes in seconds.
If accidental skin bonding happens wash with warm soapy water and prise skin apart using a blunt instrument (such as a teaspoon handle).
In case of eye contact, bathe immediately with water and seek immediate medical attention.