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Technical Data Sheet Cyberpoxy 5030


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 "The Power of Adhesive Information"™

Product Description

Cyberpoxy 5030 is a medium curing epoxy adhesive that develops handling strength in about 30 to 45 minutes and will cure rapidly in thin films at low temperatures. It is an excellent industrial adhesive characterized by a non-critical mixing ratio. Cyberpoxy 5030 will readily bond most plastics, metals, ceramics, paper, wood and some rubbers. It is ideally suited to applications in electronics, and general product assembly.

Physical Properties

Liquid

Appearance	Clear (mixed)
Viscosity (cP @ 68°F)	14,000 cP
Peak Exotherm 100 gram preparation	150°C
Shelf Life @40°F	12 months unopened
Odor	Mild
Specific Gravity	1.19 gm/cc

Curing Properties

Gel Time 100 gram preparation	30 minutes
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Solid

Operating Temperature -40°F to 200°F

Performance Results

Shear Strength (ASTM D1002)

Substrate/Surface Preparation	Strength (psi)
CRS, Abraded	2400
2024-T3 Aluminum, Acid Etched	2800
SS 304, Abraded	2600
Electrogalvanized Steel, IPA wipe	2300
ABS, IPA wipe	630
PVC, IPA wipe	500 (material failure)
Brass, Abraded	2100
Copper, Abraded	1500

General Instructions

Surfaces to be bonded must be clean, dry and free of other contaminants. Measure out equal amounts of parts A and B and stir until homogenous or use a static mixing nozzle. Apply the uniform mixture to both surfaces. An optimum bond line is 5 mils. Allow to cure while being held in place with light clamping. Adhesive will set in 30 to 45 minutes with handling strength developed in 45 to 60 minutes with full cure in 24 hours.

Storage

Product should be stored in a cool dry place out of direct sunlight. Shelf life is 12 months when properly stored in unopened, original containers.

Health Precautions

Avoid contact with skin and eyes. Wash with soap and water. Clean up spills with lacquer thinner. Consult msds before use.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS)

NOTE

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