

QUICK CURE EPOXY



PART NUMBERS

H05-100-RX (Single Pack)

H05-100-RX-50 (50 Pack)

Replace "X" with 2 or 4 for 2 gram or 4 gram package size

Quick Cure* is a two component, 100% solids, heat curing epoxy designed for high temperature applications. The Quick Cure epoxy exhibits long pot life, excellent glass to ceramic bonding, and a color change from amber to red upon cure.

TYPICAL PROPERTIES

Number of Components Two

Mix Ratio Parts By Weight

Part A (Resin) Clear

Part B (Hardener) Amber

Pot Life

in a vial or dish 4 hours

in a syringe 90 minutes

Shelf Life

One year when stored at room temperature

Curing Schedule

80° C 15 Minutes

Spectral Transmission

(5000) >50%

(7000 - 9000) >95%

Index of Refraction 1.560

Viscosity (23° C/20rpm) mixed 3000-5000 cPs

Operating Temperature -50 to 200° C

Hardness, Shore D 87

Specific Gravity

Part A 1.20

Part B 1.02

Glass Transition Temp. (Tg)

cured @ 150° C/1 hour 100° C

Coefficient of Expansion

Below Tg 54×10^{-6} in/in/°C

Above Tg 160×10^{-6} in/in/°C

Lap Shear Strength @ 25°C

Al to Al 1500psi

Moisture Resistance

MIL SPEC: MIL-1-16923-D

After 7 days @ 96% RH % 0.03%

Weight

increase