

FIS Quick Cure Epoxy

DESCRIPTION:

FIS 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	Viscosity (23° C/20rpm)	mixed 3000-5000 cPs
Mix Ratio	PARTS BY WEIGHT	Operating Temperature	-50 to 200° C
Part A (Resin)	10	Specific Gravity	Part A 1.20
Part B (Hardener)	1		Part B 1.02
Curing Schedule		Glass Transition Temp. (Tg)	cured @ 150° C/1 hour 100° C
100° C	5 minutes	Coefficient of Expansion	Below Tg 54×10^{-6} in/in/°C
120° C	2 minutes		Above Tg 160×10^{-6} in/in/°C
Pot Life		Lap Shear Strength @ 25°C	Al to Al 1500psi
in a vial or dish	4 hours	Hardness, Shore D	87
in a syringe	90 minutes	Moisture Resistance:	MIL SPEC: MIL-1-16923-D
Shelf Life	One year when stored at room temperature.		After 7 days @ 96% RH % Weight increase 0.03%
Color			
Part A	Clear		
Part B	Amber		
Index of Refraction	1.560		
Spectral Transmission			
(5000 Å)	>50%		
(7000-9000 Å)	>95%		



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