FIS BLUE DYE EPOXY

FIS T-Series Blue Dye epoxy is an optically clear, low viscosity, two part epoxy developed for bonding optical glass fibers to ceramic and metal surfaces. This adhesive has multiple curing schedules which includes the ability to cure at room temperature. The T-Series epoxies offer resistance to mechanical impact and thermal shock, and are also resistant to weather, water, petroleum products, salts and mild acids and alkaloids.

TYPICAL PROPERTIES

Number of Components	Two
Mix Ratio (Don't Exceed 5 gram mixture)	**Parts By Weight**
Part A	10
Part B	3
Color	
Part A	Clear
Part B	Blue
Curing Schedule	
Room Temperature	overnight
65° C	1 hour
80° C	1/2 hour
Pot Life	
in a viral or dish	2 hours
in a syringe	45 minutes

Viscosity (23° C/20rpm)	mixed 3,850 cPs
Specific Gravity	mixed 1.10
Glass Transition Temp (Tg)	95° C
Operating Temperature	-60 to 100° C
Hardness, Shore D	78
Degradation Temp.	345° C
Weigh Loss @ 200° C	1.5%
Spectral Transmission	
% (3200-9000)	97
Shelf Life	
One year when stored at room temperature	

NOTE

Some ingredients in this formulation may crystallize over time especially when stored at below room temperature. This crystallization may impede the proper curing of the epoxy. Warming the pack to 125°F for a minute using a heat gun or an oven will re-dissolve the crystals back into solution. The epoxy may then be mixed, and used normally.

*See Epoxy Tech OM-125 for MSDS of FIS Blue Dye Base Material