

FIS Room Temperature Cure Epoxy

DESCRIPTION:

Fast-curing optical epoxy for fiber optics, optics, opto-electronics, and general adhesive applications.

TYPICAL PROPERTIES:

Number of Components	Two	Viscosity (23° C/20rpm)	
Mix Ratio	PARTS BY WEIGHT	Part A	2100 cPs
Part A	2	Part B	1200 cPs
Part B	1	Operating Temperature	-20 to 70° C
(Do Not Exceed 5 gram mixture)		Specific Gravity	
Curing Schedule (minimum)		Part A	1.16
Room Temp. (~22°C)	5 minutes	Part B	1.03
Pot Life	<5 minutes	Glass Transition Temp. (Tg)	
Shelf Life		cured @ 150° C/1 hour	89° C
One year when stored at room temperature.		Lap Shear Strength @ 25°C	>1000 psi @ 23°C
Color		Hardness, Shore D	82
Before Cure	Clear	Die Shear Strength	>10 Kg/3400 psi @ 23°C
After Cure	Slightly Yellow		
Index of Refraction	1.545		
Spectral Transmission			
300nm	>10%		
350nm	>96%		
600nm	>96%		
900nm	>96%		



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