

Optical Sub Assembly

OPTICAL SUB ASSEMBLY

ACTIVE ALIGNMENT

LOCTITE® ECCOBOND® LUX AA50T LOCTITE ABLESTIK
UV300X

BACK FILL

LOCTITE ABLESTIK BF 4 LOCTITE ABLESTIK FS 245

PRODUCT	TECHNOLOGY	APPLICATION	KEY ATTRIBUTES	VISCOSITY (cP)	GLASS TRANSITION TEMPERATURE, T _g (°C)	COEFFFICIENT OF THERMAL EXPANSION, CTE (ppm/°C)		CURE TYPE	CURE SCHEDULE
					(5)	Below T _g	Above T _g		
ACTIVE ALIGNMENT									
LOCTITE ECCOBOND LUX AASOT	Acrylate	Active Alignment	Fast light cure High viscosity Low shrinkage Good mechanical stability	96,000	163	36	98	UV/Heat	UV or visible light + 60 min. at 100°C
LOCTITE ABLESTIK UV300X	Acrylate	Active Alignment	One component Fast cure Refractive index: 1.52	70,000	88	45	188	UV/Heat	UV + 60 min. at 100°C
BACK FILL									
LOCTITE ABLESTIK BF 4	Ероху	Back Fill	Low outgassing, Low moisture absorption High Ts Non-conductive	23,500	94	32	87	Heat	30 min. at 100°C
LOCTITE ABLESTIK FS 245	Ероху	Back Fill	Two component Thermally conductive Excellent impact and chemical resistance	13,500	55	50.9	N/A	RT/Heat	72 hr. at 27°C or 2 hr. at 65°C

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