

ÅngströmBond®

Advanced Polymers for High Tech Applications

ÅngströmBond® 9320

Heat cure adhesive for Multimode and Single mode Terminations

Description:

ÅngströmBond 9320 is a low stress heat cure epoxy designed for terminating multimode and single mode fibers and comes in dark blue or clear. This state-of-the-art adhesive has a working pot life significantly longer than the standard adhesives used for multimode terminations. The unique chemistry of 9320 allows for very strong adhesion to Glass, Ceramic, Metals and most plastics without causing fiber core cracking or fiber pistoning. It is resistant to most chemicals and environmental conditions.

ÅngströmBond 9320 has been formulated with a blue color for ease of polishing and a high glass transition temperature so that it can pass the most stringent specifications. This low outgassing epoxy meets NASA requirements of ASTM E595-93.

Typical Properties:

Color: AB9320	Dark Blue
AB9320 CLR	Optically Clear
Specific Gravity, g/cc:	1.1
Mixed Viscosity @ 25°C, cps:	<1800
Hardness, Shore D:	86
Mix Ratio by Weight,	
Resin to Hardener:	100 / 24
Lap Shear Strength, (Al/Al), psi:	3000
Glass Transition, °C:	110
Coefficient of Thermal Expansion (CTE)	70ppm (est., below Tg)
Service Temperature Range, °C	-55 to 150
Outgassing (cured 2 hours @80C)	
TML, %	0.85
CVCM, %	0.00
Solids Content, %:	100

Handling Characteristics:

Working Time: 60-90 minutes

Minimum Cure Schedule, by DSC:

@ 80°C	30 - 120 minutes
@ 90°C	15 - 60 minutes
@ 100°C	10 - 30 minutes

Application Directions:

Safely remove divider from package. Knead package vigorously until uniform color is achieved and material is thoroughly mixed. Cut open end of package and dispense.

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