

## **Module Assembly Adhesives**

Product Name	Description	Key Attributes	Glass Transition Temperature, Tg (°C)	Coefficient of Thermal Expansion, CTE (ppm/°C)		Viscosity at 25°C (cP)	Modulus at 25°C (MPa)	Recommended Cure
				Below Tg	Above Tg			
UV + Thermal Cure								
LOCTITE 3217	Acrylated epoxy adhesive	<ul> <li>Designed for image sensor module assemblies and temperature sensitive electronics components</li> <li>Fast cure at low temperatures</li> </ul>	82	53	178	37,600	2,865	1 sec. at 100 mW/cm² + 30 min. at 60°C
LOCTITE ABLESTIK NCA 2200	Acrylated epoxy adhesive	<ul> <li>One component</li> <li>Low viscosity</li> <li>Fast cure at low temperatures</li> <li>Good adhesion to a variety of substrates</li> <li>Designed for image sensor module assemblies and temperature sensitive electronics components</li> </ul>	97	43	150	9,000	5,000	2 sec. at 100 mW/cm² + 30 min. at 80°C
LOCTITE ABLESTIK NCA 2280	Acrylated epoxy adhesive	<ul> <li>One component</li> <li>High thixotropic index</li> <li>High viscosity</li> <li>Black in color to prevent light penetration</li> <li>Fast cure at low temperatures</li> <li>Good adhesion to liquid crystal polymer (LCP) substrates</li> <li>Designed for image sensor module assemblies and temperature sensitive electronics components</li> </ul>	90	45	156	54,000	4,500	2 sec. at 100 mW/cm² + 30 min. at 80°C
LOCTITE ABLESTIK NCA 2280LV	Acrylated epoxy adhesive	<ul> <li>One component</li> <li>High thixotropic index</li> <li>Fast cure at low temperatures</li> <li>Low transmittance</li> <li>Good adhesion to liquid crystal polymer (LCP) substrates</li> <li>Black in color to prevent light penetration</li> <li>Designed for image sensor module assemblies and temperature sensitive electronics components</li> </ul>	75	54	160	32,800	3,000	2 sec. at 100 mW/cm² + 30 min. at 80°C

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