

NOA Selector Guide

	Description	Cure	ADHESION TO:			TYPICAL PROPERTIES						
			Glass	Metal	Plastic	Color	Viscosity at 25 Degrees C	Refractive Index	Modulus PSI	Tensile PSI	Elongation at Failure	Shore D Hardness
NOA 60	General purpose adhesive for bonding doublets, prisms or mounting components.	UV	Good	Good	Fair	Clear	300 CPS	1.56	135,000	2,800	35%	81
NOA 61	Preferred adhesive for military optics. Meets MIL-A-3520. Used for optics exposed to temperature extremes. Low shrinkage.	UV	Excellent	Excellent	Fair	Clear	300 CPS	1.56	150,000	3,000	38%	85
NOA 63	Cures well in thick sections. Use as fillet bond to hold lenses in place or for bonding where low fluorescence or good transmission in UV range is required.	UV	Good	Good	Fair	Clear	2,500 CPS	1.56	240,000	5,000	6%	90
NOA 65	Flexible adhesive suitable for low strain applications or for cold blocking of lenses.	UV	Good	Good	Fair	Clear	1,000 CPS	1.52	20,000	1,500	80%	50
NOA 68	Flexible adhesive for glass or plastics such as polycarbonate, CAB or acrylic.	UV	Excellent	Good	Good to Excellent	Clear	5,000 CPS	1.54	20,000	2,500	80%	60
NOA 68T	Screen printable flexible adhesive for glass and plastic such as polycarbonate, CAB or acrylic.	UV	Excellent	Good	Good to Excellent	Clear	22,000 CPS	1.54	12,400	714	59%	50
NOA 68TH	Screen printable flexible adhesive for glass and plastic such as polycarbonate, CAB or acrylic.	UV/HEAT	Excellent	Good	Good to Excellent	Clear	22,000 CPS	1.54	12,400	714	59%	50
NOA 71	Provides a strong bond to glass surfaces and has excellent clarity for light guides and other applications.	UV	Excellent	Excellent	Fair	Clear	200 CPS	1.56	55,000	1,300	43%	86
NOA 72	Low viscosity adhesive for bonding glass or plastics such as polycarbonate, CAB or acrylic. Cures with UV or visible light.	UV/VIS	Excellent	Good	Good to Excellent	Clear	155 CPS	1.56	2,400	500	34%	75
NOA 73	Flexible adhesive with low viscosity for bonding delicate parts.	UV	Excellent	Good	Fair	Clear	140 CPS	1.56	1,600	200	16%	60
NOA 74	Low viscosity adhesive for bonding CAB, other plastics and glass.	UV	Excellent	Good	Excellent to Good	Clear	80-95 cps	1.52	2,900	217	10%	30
NOA 75	Low viscosity adhesive used for bonding polarized and polyester film, nylon, glass and other plastics.	UV/VIS	Excellent	Good	Excellent to Good	Slight Yellow Tint	80-95 cps	1.52	2,610	164	7%	25
NOA 76	High viscosity adhesive for bonding glass to plastic. Cures with UV or visible light.	UV/VIS	Excellent	Good	Excellent	Clear	4,500 CPS	1.51	970	450	47%	60
NOA 78	High viscosity adhesive for bonding plastic to plastic. Cures with UV or visible light.	UV/VIS	Excellent	Good	Excellent	Yellow Tint	9,000 CPS	1.50	1,140	649	57%	55
NOA 81	Fast curing adhesive for tacking or bonding. Excellent adhesion to glass or metal. Produces a hard, resilient bond.	UV	Excellent	Excellent	Fair	Clear	300 CPS	1.56	200,000	3,000	25%	90
NOA 83H	Fast curing adhesive that will cure with UV or heat for tacking or bonding UV opaque materials.	UV/HEAT	Excellent	Excellent	Fair	Clear	250 CPS	1.56	160,000	3,500	30%	85
NOA 84	Low refractive index, very low viscosity adhesive for bonding or coating glass and plastic.	UV/VIS	Excellent	Good	Good to Excellent	Clear	55 CPS	1.46	1,140	649	57%	55
NOA 85	Low refractive index, higher viscosity adhesive for bonding glass.	UV	Excellent	Good	Good to Excellent	Clear	200 CPS	1.46	9,340	1,500	111%	40

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NOA 85V	Low refractive index (1.46), low viscosity(200cps), visible light curing adhesive recommended for bonding plastics that absorb UV light..	UV/VIS	Excellent	Good	Good to Excellent	Clear	200 CPS	1.46	9,340	1,500	111%	40
NOA 86	Low viscosity adhesive that meets Bellocore specification of 85C 85RH for bonding glass.	UV/VIS	Excellent	Good	Good to Excellent	Clear	200-300 CPS	1.55	360,400	7,834	2.8%	75
NOA 86H	Low viscosity adhesive that meets Bellocore specification of 85C 85RH for bonding glass.	UV/VIS/HEAT	Excellent	Good	Good to Excellent	Clear	200-300 CPS	1.55	360,400	7,834	2.8%	75
NOA 87	High viscosity adhesive that meets Bellocore specification of 85C 85RH for bonding glass.	UV/VIS	Excellent	Good	Good to Excellent	Clear	900-1500 CPS	1.52	209,700	4,880	13%	50
NOA 88	Low outgassing adhesive for aerospace or electronic applications. Excellent transmission in UV range.	UV	Excellent	Excellent	Fair	Clear	250 CPS	1.56	112,000	1,900	43%	90
NOA 89	Low viscosity adhesive for spin coating and bonding delicate parts	UV	Excellent	Good	Fair	Clear	20 CPS	1.51	N/A	N/A	N/A	40
NOA 1315	Low viscosity adhesive with a refractive index of 1.315 for bonding glass or plastic.	UV/VIS	Good	Good	Good	Clear	15 CPS	1.315	N/A	N/A	N/A	N/A
NOA 132	Low viscosity adhesive with a refractive index of 1.32 for bonding glass or	UV/VIS	Good	Good	Good	Clear	15 CPS	1.32	N/A	N/A	N/A	N/A
NOA 133	Low viscosity adhesive with a refractive index of 1.33 for bonding glass or plastic.	UV/VIS	Good	Good	Good	Clear	15 CPS	1.33	N/A	N/A	N/A	N/A
NOA 1327	Higher viscosity adhesive with a refractive index of 1.327 for bonding glass or plastic.	UV/VIS	Good	Good	Good	Clear	4700 CPS	1.327	N/A	N/A	N/A	15
NOA 1328	Higher viscosity adhesive with a refractive index of 1.328 for bonding glass or plastic.	UV/VIS	Good	Good	Good	Clear	2400 CPS	1.328	N/A	N/A	N/A	15
NOA 1348	Low viscosity adhesive with a refractive index of 1.348 for bonding glass or plastic.	UV/VIS	Good	Good	Good	Clear	1600 CPS	1.348	22,927	948	18	30
NOA 136	Low viscosity adhesive with a refractive index of 1.36 for bonding glass or plastic.	UV	Excellent	Good	Fair	Clear	160 CPS	1.36	N/A	N/A	N/A	20
NOA 13685	Low viscosity adhesive with a refractive index of 1.3685 for bonding glass or plastic.	UV	Excellent	Good	Fair	Clear	15-25 CPS	1.3685	N/A	N/A	N/A	N/A
NOA 1369	Low viscosity adhesive with a refractive index of 1.369 for bonding glass or plastic.	UV/VIS	Good	Good	Good	Clear	2100 CPS	1.369	10,570	1,130	52	30
NOA 1375	Low viscosity adhesive with a refractive index of 1.375 for bonding glass or plastic.	UV	Excellent	Good	Fair	Clear	45-60 CPS	1.375	N/A	N/A	N/A	N/A

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NOA 1375	Low viscosity adhesive with a refractive index of 1.375 for bonding glass or plastic.	UV	Excellent	Good	Fair	Clear	45-60 CPS	1.375	N/A	N/A	N/A	N/A
NOA 13775	Low viscosity adhesive with a refractive index of 1.3775 for bonding glass or plastic.	UV/VIS	Good	Good	Good	Clear	4000 CPS	1.3775	58,984	1,744	42	45
NOA 138	Low viscosity adhesive with a refractive index of 1.38 for bonding glass or plastic.	UV	Excellent	Good	Fair	Clear	45-60 CPS	1.38	N/A	N/A	N/A	N/A
NOA 13825	Low viscosity adhesive with a refractive index of 1.3825 for bonding glass or plastic.	UV/VIS	Good	Good	Good	Clear	5600 CPS	1.3825	42,176	1,599	56	45
NOA 139	Low viscosity adhesive with a refractive index of 1.39 for bonding glass or plastic.	UV	Excellent	Good	Fair	Clear	865 CPS	1.39	N/A	N/A	N/A	45
NOA 142	Low viscosity adhesive with a refractive index of 1.42 for bonding glass.	UV	Excellent	Good	Fair	Clear	20-40 CPS	1.42	N/A	N/A	N/A	N/A
NOA 144	Adhesive with a refractive index of 1.44 for bonding glass.	UV	Excellent	Good	Fair	Clear	45-60 CPS	1.44	N/A	N/A	N/A	N/A
NOA 146H	Low viscosity adhesive with a refractive index of 1.46 for bonding glass or plastic.	UV	Excellent	Good	Fair	Clear	175 CPS	1.46	N/A	N/A	N/A	N/A
NOA 148	Adhesive with a refractive index of 1.48 for bonding glass.	UV	Excellent	Good	Fair	Clear	1500-2000 CPS	1.48	N/A	N/A	N/A	N/A
NOA 148	Adhesive with a refractive index of 1.48 for bonding glass.	UV	Excellent	Good	Fair	Clear	1500-2000 CPS	1.48	N/A	N/A	N/A	N/A
NOA 162	Higher viscosity adhesive with a refractive index of 1.62 for bonding glass.	UV	Excellent	Good	Fair	Clear	800 CPS	1.62	N/A	N/A	N/A	10
NOA 1625	Low viscosity adhesive with a refractive index of 1.625 for bonding glass.	UV	Excellent	Good	Fair	Clear	60-80 CPS	1.625	N/A	N/A	N/A	N/A
NOA 164	Low viscosity adhesive with a refractive index of 1.64 for bonding glass.	UV	Excellent	Good	Fair	Clear	60-80 CPS	1.64	N/A	N/A	N/A	N/A
NOA 170	High refractive index adhesive (1.70) with higher viscosity for bonding glass or plastics.	UV/VIS	Excellent	Good	Excellent	Clear	4500-5500 CPS	1.70	90,200	863	1.3%	75
NBA 107	UV curing adhesive for cold blocking and temporary bonding of lenses. Can be debonded with warm soapy water or acetone.	UV	Excellent	Excellent	Fair	Clear	350 cps	1.51	800	78	5%	15
NBA 108	UV curing adhesive for cold blocking and temporary bonding of lenses. Can be debonded with acetone.	UV	Excellent	Excellent	Fair	Clear	550 CPS	1.51	710	101	18%	25
UVS 91	Screenable paste for bonding and sealing perimeters of liquid crystal displays.	UV	Excellent	Good	Good to Excellent	Translucent	Thixotropic	N/A	45,000	2,900	58%	55

N/A - Not Available