

Ref	Color	Index	Viscosity in Pa.s	Hardness in Shores D	Density in g/cm <sup>3</sup>	Adhesion sur			Modulus of elasticity in kg/cm <sup>2</sup>	Tensile strength kg/cm <sup>2</sup>	Elongation in %	Comments
						Glass	Metal	Plastic				

### UV AND / HEAT CURING ADHESIVES\*

NOA 83H	Clear	1,56	0,25	80	1,1	+++	+++	+	11200	240	30	Fast curing adhesive with UV or heat. Bonding UV opaque materials
NEA 121	Clear	1,56	0,3	80	1,1	+++	+++	+	11200	200	30	Adhesive for tacking, filling, sealing conformal coating and tamperproofing precision components - Also in red
NEA 123	Clear	----	200	60	1,1	+++	++	+++	3500	200	60	high viscosity - Chip bonding - Broad range of color (red, blue, green) and viscosity
NEA 155	Red	----	150	90	1,2	+++	++	+++	----	----	----	Thixotropic paste for SMD
NEA123HGA	Translucent	----	200	60	1,1	+++	++	++	22470	265	25	Low outgassing
NEA123SHGA	Translucent	----	55	80	1,1	+++	++	++	----	265	----	Low outgassing

### UV CURING RESINS - EPOXY\*

OAD 381	Yellow	----	0,4	70	1,1	+++	+	+++	---	250	20	Low viscosity - Filling of weak cavity
OAD 382	Yellow	----	2,5	30	1,1	+	+	+++	---	100	60	Thixotropic - Glob top - Flexible
OAD 383	Grey	----	10	70	1,5	+++	++	+++	---	300	6	Thixotropic - Glob top - Rigid - OAD 383UNF : unfilled
OAD 384	Grey	----	9	85	1,5	++	+++	+++	---	395	1,5	Glob top - Dam for potting application
OAD 385	Colorless	----	2,2	70	1,1	++	+++	++	---	250	10	Bonding of substrate opaque or not
OAD 386	Grey	----	2,5	85	1,4	++	++	++	---	400	2	Low viscosity for Dam & Fill application
OAD 387	Grey	----	15	85	1,4	++	++	++	---	400	2	Thixotropic resin for Dam & Fill application
OAD388	Colorless	----	1,5	30 Shores A	1,1	++	+++	++	---	---	---	Flexible - bonding or glob top of components
OAD 393	Colorless	----	0,2	60	1,14	++	+++	++	---	----	----	For protection - Spin coating
OAD 394	Grey	----	20	70	1,52	+++	+++	++	---	395	1,5	Thixotropic - Smart cards
OAD 395	Colorless	----	0,15	50	1,15	+++	+++	++	---	----	----	Liquid -Smart cards
OAD 395-1	Yellow	----	0,35	80	1,1	++	+++	+++	---	400	4	Filling of weak cavity - Protection of micro-elements
DB2001	Black	----	6	80	---	+++	+++	+	---	434	---	Protection and glob top of components - UL94v-0 and 94v-1
DB2002	Black	----	9	60	---	+++	+++	+	2450	210	---	Protection and glob top of components - Improving the brightness LED

### SCREEN VARNISH\*

V691 UV	Blue	----	3	---	1,1	+++	++	+++	----	110	20	Protection of flexible circuits - Good adhesion on mylar and polycarbonate
V692 UV	Green	----	6	---	1,1	+++	+++	+++	----	70	60	Protection of flexible circuits - Good adhesion on mylar and polycarbonate
V693 UV	Blue	----	8	---	1,3	+++	+++	++	----	80	40	Good adhesion on copper, epoxy glass and aluminium. Strippable in sodium hydroxyde

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### UV CURING ADHESIVES\*

NOA 60	Clear	1,56	0,3	80	1,15	++	++	+	10000	200	35	General purpose adhesive for bonding doublets, prisms
NOA 61	Clear	1,56	0,3	85	1,13	+++	+++	+	10500	200	38	Military applications - Bonding doublets, prisms. Low shrinkage
NOA 63	Clear	1,56	2	85	1,12	++	++	+	16800	300	6	Thick bonding - Good transmission UV
NOA 65	Clear	1,52	1,2	50	1,12	++	++	+	1400	105	80	Flexible adhesive suitable for low strain applications
NOA 68	Clear	1,54	5	60	1,12	+++	++	+++	1400	150	80	Flexible adhesive - Glass, plastic, CAB, polycarbonate and acrylic
NOA 71	Clear	1,56	0,2	80	1,1	+++	+++	+	3850	90	43	Bonding glass/glass and glass/metal
NOA 73	Clear	1,56	0,13	55	1,1	+++	++	+	112	10	16	Flexible adhesive - Low viscosity, very thin film
NOA 74	Clear	1,56	0,1	30	1,1	+++	++	+++	203	15	10	Flexible adhesive - Thin film
NOA 81	Clear	1,56	0,3	85	1,13	+++	+++	+	14000	200	25	Fast curing - Bonding glass/metal - hardness
NOA 88	Clear	1,56	0,2	85	1,1	+++	+++	+	7840	130	43	Low outgassing adhesive for aerospace applications - Excellent transmission in UV range
OAD 423	Colorless	1,52	10	50	1	++	+++	+	---	30	120	Flexible adhesive - Bonding optical fiber
OAD 424	Colorless	1,52	10,5	85	1,1	++	+++	+	---	150	20	Rigid - Bonding optical fiber
OAD 427	Colorless	1,52	5	80	1,1	++	+++	+	---	---	100	Rigid - Bonding glass/glass
OAD 450	Colorless	1,56	2,5	70	1,1	+++	++	+	---	150	100	Fast cure - For lenses
OAD 452	Colorless	1,56	2,5	65	1,1	+++	++	+	---	150	100	Fast cure - For lenses and LED encapsulation
OAD061	Clear	1,56	0,35	80	1,1	+++	+++	+	---	200	35	For lenses
DOP100	Clear	1,41	5	70 Shores A	1,1	+++	+++	+++	140	29	328	Low refractive index - Bonding optical fiber

### UV / VISIBLE CURING ADHESIVES\*

NOA 72	Clear	1,56	0,15	75	1,1	+++	++	+++	168	30	34	Low viscosity - Bonding glass, plastic, polycarbonate, CAB - UV or Visible light
NOA 75	Clear	1,52	0,1	25	1,1	+++	++	+++	182	11	7	Flexible adhesive - Very low viscosity, very thin film - UV or Visible light
NOA 76A	Clear	1,51	3,5-5,5	30	1,1	+++	++	+++	50	30	47	Bonding plastic/plastic - UV or Visible light
NOA 78	Clear	1,50	10	55	1,1	+++	++	+++	60	40	57	Bonding plastic/plastic - UV or Visible light - High viscosity

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### UV CURING ADHESIVES - SPECIAL APPLICATIONS\*

<b>UVS 91</b>	Translucent	----	100	55	1,14	+++	++	+++	3150	200	58	Screenable past - Bonding and sealing perimeters of liquid crystal displays
<b>NBA107</b>	Clear	----	0,3	15	1,2	+++	+++	+	----	----	----	For cold blocking and temporary bonding of lenses to metal polishing mounts
<b>IML150</b>	Clear	1,52	1	----	1,14	----	----	----	----	----	----	Index matching liquid
<b>NCA 130</b>	Silver	----	10	----	----	+++	++	++	----	----	----	Electrically conductive adhesive for static dissipation

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