

MicroCoat Optical Adhesive Selector Guide .n

	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
8860	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
8861	Preferred adhesive for military optics. Meets MIL-A-3920. Used for optics exposed to temperature extremes. Low shrinkage.	UV	Excellent	Excellent	Fair	Clear	300 CPS	1.56	150,000	3,000	38%	85
8863	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
8865	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
8868	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
8868T	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	N/A	N/A	N/A	50
8871	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

8872	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
8873	Flexible adhesive with low viscosity for bonding delicate parts.	UV	Excellent	Good	Fair	Clear	140 CPS	1.56	1,600	200	16%	60
8874	Low viscosity adhesive for bonding CAB, other plastics and glass	UV	Excellent	Good	Excellent to Good	Clear	80-95 cps	1.52	2900	217	10%	30
8875	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	2610	164	7%	25
8876	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
8878	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	1140	649	57%	55
8881	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
8883H	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
8884	Low refractive index, very low viscosity adhesive for bonding or coating glass and plastic	UV	Excellent	Good	Good to Excellent	Clear	55 CPS	1.46	1,140	649	57%	55
8885	Low refractive index, higher viscosity adhesive for bonding glass and plastic	UV	Excellent	Good	Good to Excellent	Clear	200 CPS	1.46	9,340	1,500	111%	40

8886	Low viscosity adhesive that meets Bellcore 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
8886H	Low viscosity adhesive that meets Bellcore specification of 85C/85RH for bonding glass.	UV/VIS and or heat	Excellent	Good	Good to Excellent	Clear	200-300 CPS	1.55	360,400	7,834	2.8%	75
8887	High viscosity adhesive that meets Bellcore 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
8888	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
8889	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
8813685	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
881375	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
88138	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
88142	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
88144	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
88148	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
881625	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

88164	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
88107	Screenable paste for bonding and sealing perimeters of liquid Paste crystal displays.	UV	Excellent	Good	Good to Excellent	Translucent	Thixotropic	N/A	45,000	2,900	58%	55
88108	UV curing adhesive for cold blocking and temporary bonding of lenses. Can be bebonded with warm soapy water or acetone.	UV	Excellent	Excellent	Fair	Clear	350 CPS	1.51	N/A	N/A	N/A	15
UVS 8891	Screenable paste for bonding and sealing perimeters of liquid Paste crystal displays.	UV	Excellent	Good	Good to Excellent	Translucent	Thixotropic	N/A	45,000	2,900	58%	55

N/A - Not Available

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			Glass	Metal	Plastic	Color	Viscosity at 25 Degrees C	Modulus PSI	Tensile PSI	Elongation at Failure	Shore D Hardness
88121	Adhesive for tacking, filling, sealing, conformal coating and tamper proofing precision components.	UV/HEAT	Excellent	Excellent	Fair	Clear	300 CPS	160,000	3,500	30%	85
88123	High viscosity thixotropic paste for wire tacking, chip bonding and coil terminating.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	200,000 CPS	50,000	3,000	60%	60
88123L	Low viscosity thixotropic paste for sealing, chip bonding, filleting, wicking and thin sections.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	6,000 CPS	2,860	434	45%	67

88123M	Low viscosity thixotropic paste for wire tacking, encapsulating, fixturing and tamper proofing.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	12,000 CPS	2,380	657	60%	64
88123S	Medium viscosity thixotropic paste for sealing, wire coating, wire tacking and coil terminating.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	55,000 CPS	2,540	556	84%	75
88123K	Medium viscosity thixotropic paste for glob top assemblies, potting, filling or thick sections.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	100,000 CPS	20,800	1,200	35%	67
88123T	High viscosity thixotropic paste for wire encapsulating, coil terminating, screw hole sealing and potting.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	300,000 CPS	13,900	1,515	104%	55
88123HGA	Low outgassing adhesive for HGA assembly or wire tacking.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	200,000 CPS	321,000	3,790	25%	60
88123SHGA	Low outgassing, medium viscosity adhesive for wire coating, wire tacking and coil terminating.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	55,000 CPS	N/A	N/A	N/A	80

88123THGA	Low outgassing, very high viscosity adhesive for wire coating, wire tacking and coil terminating.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	465,000-515,000 CPS	321,000	3,790	25%	80
88123TKHGA	Low outgassing, high viscosity adhesive for wire coating, wire tacking and coil terminating.	UV/HEAT	Excellent	Good	Good to Excellent	Translucent	400,000-450,000 CPS	321,000	3,790	25%	80
COLORED ADHESIVES:											
88123BL	High viscosity thixotropic paste for wire tacking, chip bonding or tamper proofing.	UV/HEAT	Excellent	Good	Good to Excellent	Blue	200,000 CPS	50,000	3,000	60%	60
88123SBL	Medium viscosity thixotropic paste for tacking, sealing, filling or bonding precision components or wires in place.	UV/HEAT	Excellent	Good	Good to Excellent	Blue	55,000 CPS	2,540	556	84%	75
88123R	High viscosity thixotropic paste for tacking, sealing, filling or bonding precision components or wires in place.	UV/HEAT	Excellent	Good	Good to Excellent	Red	200,000 CPS	50,000	3,000	60%	60
88123GN	High viscosity thixotropic paste for tamper proofing, encapsulating, strain relief and wire tacking.	UV/HEAT	Excellent	Good	Good to Excellent	Green	200,000 CPS	50,000	3,000	60%	60

88123W	High viscosity thixotropic paste for tamper proofing, encapsulating, strain relief and wire tacking.	UV/HEAT	Excellent	Good	Good to Excellent	White	200,000 CPS	50,000	3,000	60%	60
88155	Medium/high viscosity thixotropic paste for SMDs, printed circuit boards, ceramics, metal and many plastics.	HEAT	Excellent	Good	Good to Excellent	Red	150,000 CPS	N/A	N/A	N/A	90

N/A - Not Available