

	KEY PRODUCT ATTRIBUTES										TYPICAL ADHESIVE SELECTION								PRODUCT ORDERING				
Loctite® Brand Product	Appearance	Fluorescent	Cure Method	Viscosity, cP	Temperature Range (°F)	Shore Hardness	Modulus (psi)	Cure Depth** (inches)	Substrates	Product Features	Needle Bonding	Catheters	Reservoir Assemblies	Respiratory	Sutures	Tube Sets	Endoscopes	Hearing Aids	Item Number	Package Size	Item Number	Package Size	Product
<b>LIGHT CURE ACRYLICS</b>																							
<b>3201™</b>	transparent/hazy	N	UV, V	4,000	-65 to 300	59 (D)	43,000	0.05	PC, TP, ME, G	Highly flexible PC adhesive, minimal stress cracking				X					19727	25 ml	19728	1 liter	<b>3201™</b>
<b>3211™</b>	transparent/hazy	N	UV, V	10,000 (thixotropic)	-65 to 300	51 (D)	30,000	0.06	PC, TP, ME, G	Non-migrating, very flexible PC adhesive, minimal stress cracking				X					19730	25 ml	19731†	1 liter	<b>3211™</b>
<b>3301™</b>	transparent	N	UV, V	150	-65 to 300	69 (D)	107,000	0.10	PVC, PC, TP, ME, G	Slightly flexible, excellent on PVC				X				X	19733	25 ml	19734	1 liter	<b>3301™</b>
<b>3311™</b>	transparent	N	UV, V	300	-65 to 300	64 (D)	97,000	0.09	PVC, PC, TP, ME, G	Flexible, excellent on PVC and most thermoplastics				X					19736	25 ml	19737	1 liter	<b>3311™</b>
<b>3321™</b>	transparent	N	UV, V	5,000	-65 to 300	53 (D)	37,000	0.08	PVC, PC, TP, ME, G	Flexible, ideal for thermoplastics				X					19739	25 ml	19740	1 liter	<b>3321™</b>
<b>3341™</b>	transparent/light yellow	Y	UV, V	450	-65 to 300	27 (D)	36,000	0.12	PVC, TP	Excellent on highly plasticized PVC and other difficult-to-bond substrates		X		X		X		X	23792	25 ml	23440	1 liter	<b>3341™</b>
<b>3345™</b>	clear/light straw	N	UV	1,500	-65 to 260	70 (D)	180,000	0.08	G, ME	Excellent for glass to metal	X								33417	25 ml	30688†	1 liter	<b>3345™</b>
<b>3381™</b>	translucent/colorless	N	UV	5,000	-65 to 300	72 (A)	2,670	0.10	TP, TSP	Extremely flexible, thermal cycling resistant				X					25785	25 ml	24690†	1 liter	<b>3381™</b>
<b>3911™</b>	transparent/hazy	Y	UV, V	100	-65 to 300	65 (D)	20,250	0.07	G, ME, TP	Low viscosity, low moisture absorption	X			X					36536	25 ml	36537†	1 liter	<b>3911™</b>
<b>3912™</b>	transparent/hazy	Y	UV, V	6,300	-65 to 300	60 (D)	20,750	0.07	G, ME, TP	Medium viscosity, low moisture absorption	X			X					36539	25 ml	36540	1 liter	<b>3912™</b>
<b>3913™</b>	transparent	Y	UV	8,500	-65 to 300	64 (D)	31,500	0.09	G, ME, TP	Highly fluorescent	X			X					36791	25 ml	36804	1 liter	<b>3913™</b>
<b>3921™</b>	transparent/hazy	Y	UV, V	150	-65 to 300	67 (D)	122,750	0.08	PVC, PC, TP, ME, G	Highly fluorescent, superior sterilization resistance	X			X				X	36484	25 ml	36485	1 liter	<b>3921™</b>
<b>3922™</b>	transparent/hazy	Y	UV, V	300	-65 to 300	66 (D)	91,500	0.12	PVC, PC, TP, ME, G	Superior sterilization resistance, excellent adhesion to PC	X			X					32083	25 ml	32047†	1 liter	<b>3922™</b>
<b>3924™</b>	transparent/hazy	Y	UV, V	1,100	-65 to 300	60 (D)	41,100	0.10	PVC, PC, TP, ME, G	Superior sterilization resistance, excellent adhesion to various TSP	X			X		X			36488	25 ml	36489	1 liter	<b>3924™</b>
<b>3926™</b>	transparent/hazy	Y	UV, V	5,500	-65 to 300	57 (D)	20,700	0.10	PVC, PC, TP, ME, G	Highly fluorescent, superior sterilization resistance	X			X					36492	25 ml	36493	1 liter	<b>3926™</b>
<b>3933™</b>	transparent/hazy	Y	UV, V	3,250	-65 to 300	57 (D)	47,000	0.04	PC, TP, ME, G	Excellent on PC and other TP	X			X					32084	25 ml	32040†	1 liter	<b>3933™</b>
<b>3936™</b>	transparent/hazy	Y	UV, V	10,000	-65 to 300	55 (D)	24,500	0.08	PC, TP, ME, G	Highly flexible, excellent on PC and other TP				X					32304	25 ml	32037†	1 liter	<b>3936™</b>
<b>3941™</b>	transparent/hazy	Y	UV, V	480	-65 to 300	74 (D)	184,000	0.06	G, ME, TP, TSP	Highly fluorescent, rapid tack-free curing	X			X					36437	25 ml	36476	1 liter	<b>3941™</b>
<b>3942™</b>	transparent/hazy	Y	UV, V	1,100	-65 to 300	76 (D)	142,900	0.11	G, ME, TP, TSP	High performance, rapid tack-free curing	X			X					36483	25 ml	36481	1 liter	<b>3942™</b>
<b>3943™</b>	transparent/hazy	Y	UV, V	6,000	-65 to 300	69 (D)	64,000	0.12	G, ME, TP, TSP	Tough, superior tack-free curing	X			X					36480	25 ml	36478	1 liter	<b>3943™</b>
<b>3944™</b>	fluorescent/pale yellow	Y	UV, V	5,000	-65 to 300	50 (D)*	57,000	0.15	PVC, PC, TP, ME, G	Superior surface curing, very flexible				X					38210	25 ml	38212†	1 liter	<b>3944™</b>
<b>3971™</b>	transparent	Y	UV, V	300	-65 to 300	71 (D)	95,000	0.16	PVC, TP, ME	Superior tack-free curing, low viscosity		X		X		X			36792	25 ml	36805	1 liter	<b>3971™</b>
<b>3972™</b>	transparent/hazy	Y	UV, V	4,500	-65 to 300	68 (D)	66,750	0.25	PVC, TP, ME	Superior tack-free curing, moderate viscosity		X		X		X		X	36294	25 ml	36295	1 liter	<b>3972™</b>
<b>LIGHT CURE CYANOACRYLATES</b>																							
<b>4306™</b>	light amber/light green	Y	UV, V, M	20	-65 to 180	82 (D)	250,700	0.15	TP, PC, E, ME	Rapid tack-free surface and shadow curing, low viscosity	X	X		X		X		X	37439	1 oz.	37442†	1 lb.	<b>4306™</b>
<b>4307™</b>	light amber/light green	Y	UV, V, M	900	-65 to 180	82 (D)	262,900	0.17	TP, PC, E, ME	Rapid tack-free surface and shadow curing, high viscosity	X	X		X		X		X	37441	1 oz.	37443†	1 lb.	<b>4307™</b>
<b>CYANOACRYLATES</b>																							
<b>4011™ (SI)</b>	transparent/straw	N	M	100	-65 to 180	80 (D)*	200,000*	0.005	TP, TSP, ME, E	Low viscosity, ideal on acidic substrates and in dry environments		X			X			X	18680	20 gram	18681	1 lb.	<b>4011™</b>
<b>4013™</b>	transparent/slight yellow	N	M	500	-65 to 180	65 (Barcol)	200,000*	0.010	TP, TSP, ME	General purpose, gap filling		X			X				20268	20 gram	18013	1 lb.	<b>4013™</b>
<b>4014™</b>	transparent/slight yellow	N	M	3	-65 to 220	65 (Barcol)	200,000*	0.003	TP, TSP, ME	General purpose for metal and plastic bonding		X			X				20269	20 gram	18014	1 lb.	<b>4014™</b>
<b>4031™ (LO)</b>	transparent/pale yellow	N	M	1,300	-65 to 160	80 (D)*	200,000*	0.008	TP, TSP, ME	Medium viscosity, minimizes need for ventilation, reduces frosted residue		X			X				18682	20 gram	18683	1 lb.	<b>4031™</b>
<b>4061™ (SI)</b>	transparent/straw	N	M	20	-65 to 180	80 (D)*	200,000*	0.004	TP, TSP, ME, E	Wicking viscosity, ideal on acidic substrates and in dry environments		X			X			X	18686	20 gram	18687	1 lb.	<b>4061™</b>
<b>4081™ (LO)</b>	transparent/light yellow	N	M	5	-65 to 160	80 (D)*	200,000*	0.002	TP, TSP, ME	Wicking viscosity, minimizes need for ventilation, reduces frosted residue		X			X			X	18688	20 gram	18689	1 lb.	<b>4081™</b>
<b>4161™</b>	transparent/straw	N	M	1,500	-65 to 180	80 (D)*	200,000*	0.008	TP, TSP, ME	Gap filling, excellent for various plastics		X			X				19743	20 gram	19744	1 lb.	<b>4161™</b>
<b>4206™ (TR)</b>	colorless/pale yellow	N	M	375	-65 to 250	80 (D)*	120,200	0.005	TP, TSP, ME, E	Impact resistant, withstands 250°F continuous for 2000 hours		X							28628	20 gram	28629†	1 lb.	<b>4206™</b>
<b>4541™ (SI)</b>	clear/straw	N	M	Gel	-65 to 180	80 (D)*	200,000*	0.010	TP, TSP, ME, E	Gel, excellent on acidic and porous substrates and in dry environments									18690	20 gram	18691	200 gram	<b>4541™</b>
<b>4601™ (LO)</b>	transparent/light yellow	N	M	50	-65 to 160	80 (D)*	200,000*	0.004	TP, TSP, ME	Low viscosity, minimizes need for ventilation, reduces frosted residue		X			X				18692	20 gram	18693	1 lb.	<b>4601™</b>
<b>4851™</b>	clear	N	M	400	-65 to 125	85 (A)	86,275	0.006	TP, TSP, ME, E	Flexible cyanoacrylate, low viscosity		X		X					37732	20 gram	37733	1 lb.	<b>4851™</b>
<b>4861™</b>	clear	N	M	4,000	-65 to 125	85 (A)	63,250	0.008	TP, TSP, ME, E	Flexible cyanoacrylate, high viscosity		X		X					37708	20 gram	37711	1 lb.	<b>4861™</b>
<b>4981™</b>	transparent/pale yellow	N	M	500	-65 to 220	80 (D)*	200,000*	0.007	TP, TSP, ME, E	Excellent thermal cycling and humidity resistance versus standard CAs									18694	20 gram	18695	1 lb.	<b>4981™</b>
<b>EPOXIES</b>																							
<b>3981™</b>	transparent/yellow	Y	H	5,300	-65 to 300	84 (D)	345,500	>0.50	TSP, ME, G, C	Superior thermal, chemical and sterilization resistance, moderate viscosity	X								36766	30 ml	37297	1 liter	<b>3981™</b>
<b>3982™</b>	off-white	Y	H	8,000	-65 to 300	86 (D)	362,000	>0.50	TSP, ME, G, C	Superior thermal, chemical and sterilization resistance, moderate viscosity	X								36767	30 ml	37298	1 liter	<b>3982™</b>
<b>3984™</b>	light grey	Y	H	25,500	-65 to 300	84 (D)	566,000	>0.50	TSP, ME, G, C	Highest modulus, superior thermal, chemical and sterilization resistance	X								36768	30 ml	37299†	1 liter	<b>3984™</b>
<b>M-21HP™</b>	off-white	N	RT	37,000 (mixed)	-65 to 300	80 (D)	226,000	>0.50	TP, TSP, E, ME, G, C	High peel and shear strength, 20 minute worklife		X							30671	50 ml dual	N/A		<b>M-21HP™</b>
<b>M-31CL™</b>	colorless	N	RT	6,000 (mixed)	-65 to 300	85 (D)	366,000	>0.50	TP, TSP, PC, ME, G, C	Excellent impact resistant, 30 minute worklife		X							30673	50 ml dual	30674†	200 ml dual	<b>M-31CL™</b>
<b>M-121HP™</b>	amber/beige	N	RT	11,000 (mixed)	-65 to 300	85 (D)	216,000	>0.50	TSP, PC, PVC, ME, G, C	Excellent thermal shock resistance, ultra strength, 120 minute worklife		X							30680	50 ml dual	N/A		<b>M-121HP™</b>
<b>URETHANES &amp; UV SILICONES</b>																							
<b>M-11FL™</b>	water white clear	N	RT	3,800 (mixed)	-65 to 250	45 (D)	1,860	>0.50	TP, TSP, PC, E, ME, G, C	Urethane offering highly flexible bondlines, 10 minute worklife		X							30678	50 ml dual	N/A		<b>M-11FL™</b>
<b>5248™</b>	straw	N	UV, M	65,000	-65 to 400	25 (A)	110 at 100% elongation	Max 0.25	E, ME, G	UV silicone for bonding and sealing extruded and moldable silicones		X		X					19987	300 ml	N/A		<b>5248™</b>
<b>CYANOACRYLATE ACCELERATORS &amp; PRIMERS</b>																							
<b>713™</b>	transparent/light amber	N/A	N/A	1	N/A	N/A	N/A	N/A	N/A	Speeds fixture time for cyanoacrylates, may be pre or post applied		X			X	X	X		19889	1.75 fl. oz.	N/A		<b>713™</b>
<b>7701™</b>	clear/colorless	N/A	N/A	3	N/A	N/A	N/A	N/A	TP, E	Adhesion promotor for cyanoacrylates, for use on low energy plastics		X			X	X	X		19886	1.75 fl. oz.	19887	16 fl. oz.	<b>7701™</b>

SI = Surface Insensitive  
LO = Low Odor/Low Bloom  
TR = Thermally Resistant

H = Heat Cure  
M = Moisture  
RT = Room Temp.  
UV = Ultraviolet  
V = Visible

\* Estimated

\*\* Light Cure products cured at 100 mW/cm² for 10 seconds using a "D" bulb.

C = Ceramics  
E = Elastomers  
G = Glass  
ME = Metal

PC = Polycarbonate  
PVC = Polyvinylchloride  
TP = Thermoplastics  
TSP = Thermoset Plastics

† Made to order items.

# Henkel Resources Guide

Visit us on the web at [www.loctite.com/medical](http://www.loctite.com/medical)  
or call 1-800-LOCTITE (562-8483)

## BIOCOMPATIBILITY TESTING & CERTIFICATES OF COMPLIANCE: Loctite® Medical Device Adhesives meet ISO-10993 Biocompatibility standards.

All ISO-10993 Certificates of Compliance are available on the Loctite® website and include the following tests:

- ▲ Intracutaneous Injection
- ▲ Cytotoxicity (MEM Elution)
- ▲ Systemic Injection
- ▲ Hemocompatibility
- ▲ Muscle Implantation
- ▲ Physicochemical

Although Henkel has no specific regulatory requirement regarding the biocompatibility testing and revalidation of our medical device adhesives, as the industry leader we believe our triennial revalidation program is an important service to our customers in assuring continuity of compliance.



## TECHNICAL AND MATERIAL SAFETY DATA SHEETS:

INSTANT access to comprehensive technical and material safety data sheets is available on the Loctite® website. Most are available in various languages. Technical data sheets are integrated with our material specifications and all products are tested on a batch to batch basis. Locate any Loctite® technical data sheet using a product or item number, and safety data sheets using an item number.



# LOCTITE®

## Medical Product Selector Guide

Adhesives For Medical Device Assembly

### USA

For your local Loctite® brand Adhesives and Sealants Specialist, call:  
1.800.323.5106

For your nearest authorized Loctite® brand distributor, to arrange an in-plant seminar or for technical product assistance, call:  
1.800.LOCTITE (1.800.562.8483)

To place an order, call:  
1.800.243.4874

**Henkel Corporation**  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067  
860.571.5100  
Fax: 860.571.5465

### Canada

For your local Loctite® brand Adhesives and Sealants Specialist, for your nearest authorized Loctite® brand distributor, to arrange an in-plant seminar, for technical product assistance or to place an order, call:  
1.800.263.5043 (within Canada)

**Henkel Canada Corporation**  
2225 Meadowpine Blvd.  
Mississauga, Ontario L5N 7P2  
Tel: 905.814.6511  
Fax: 905.814.5391  
1.800.263.5043 (within Canada)

### Mexico

For your local Loctite® brand Adhesives and Sealants Specialist, for your nearest authorized Loctite® brand distributor, to arrange an in-plant seminar or for technical product assistance, call:  
01.800.90.181.00 (within Mexico)

To place an order, call:  
01.800.84.994.12 (within Mexico)

**Henkel Capital, S.A. de C.V.**  
Calzada de la Viga s/n Fracc. Los Laureles  
Loc. Tulpetlac, C.P. 55090  
Ecatepec de Morelos, Edo. de México  
Tel: 011.52.55.5836.1300  
Fax: 011.52.55.5787.9004

### Central America

For your local Loctite® brand Adhesives and Sealants Specialist, for your nearest authorized Loctite® brand distributor, to arrange an in-plant seminar, for technical product assistance or to place an order, call:  
506.277.4868

**Henkel Costa Rica Ltda.**  
San Joaquín de Flores  
Heredia, Costa Rica  
Tel: 506.277.4800  
Fax: 506.277.4883

### South America

For your local Loctite® brand Adhesives and Sealants Specialist, for your nearest authorized Loctite® brand distributor, to arrange an in-plant seminar, for technical product assistance or to place an order, contact:

**Henkel Ltda.**  
Rua Karl Huller, 136 – Jd.  
Canhema 09941-410  
Diadema/SP, Brazil  
Tel: 55.11.4075.8955  
Fax: 55.11.4075.8887  
0800.12.23.34 (within Brazil)

**Henkel Argentina S.A.**  
Tte. Cnel. Magán 1990 – Sarandí  
(B1872HRN) Avellanda, Buenos Aires, Argentina  
Tel: 54.11.4001.0100  
Fax: 54.11.4205.3442  
0800.33.30213 (within Argentina)

**Henkel Chile Ltda.**  
Av. Apoquindo 3355,  
Oficina 8 – 1º Piso  
Las Condes, Santiago, Chile  
Tel: 56.2.2333606  
Fax: 56.2.2341448  
800.212002 (within Chile)

**Henkel Colombiana S.A.**  
Calle 17 No. 68-B-73,  
Bogotá D.C., Colombia  
Tel: 571.423.9000  
Fax: 571.425.1331  
01.800.01.14173 (within Colombia)

**Henkel Venezolana S.A.**  
Zona Industrial Pruinca  
Calle 2 Parcela 31 y 32  
Guacara – Edo Carabobo, Venezuela  
Tel: 5824.5560.2611  
Fax: 5824.5560.2660  
0800.436.5300 (within Venezuela)

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