

# Certified Henkel Adhesives For High Reliability Applications

## NASA Outgassing Approved Products

PRODUCT	TML %	CVCM %	TESTING CURE SCHEDULE
<b>ELECTRICALLY CONDUCTIVE PASTES</b>			
LOCTITE® ABLESTIK 84-1LMI	0.12	0	1 hr at 150°C
LOCTITE® ABLESTIK 84-1LMIT	0.14	0.01	1 hr at 150°C
LOCTITE® ABLESTIK 8700E	0.3	0	2 hrs at 121°C
LOCTITE® ABLESTIK 967-1	0.54	0.01	2 hrs at 100°C
LOCTITE® ABLESTIK 976-1	0.71	0.1	1 hr at 150°C
LOCTITE® ABLESTIK 2902	0.64	0.05	18 hrs at 25°C
LOCTITE® ABLESTIK 57C A/B	0.36	0.03	0.5 hr at 150°C
LOCTITE® ABLESTIK CT5047-2	0.39	0	25 hrs at 25°C?
LOCTITE® ABLESTIK QMI 529HT-LV	0.14	0.03	1 hr at 175°C
LOCTITE® ABLESTIK 84-1LMINB	0.09	0.02	0.5 hr at 150°C
LOCTITE® ABLESTIK 84-1LMIT1	0.12	0.01	2 hrs at 125°C
LOCTITE® ABLESTIK 84-1LMINB1	0.14	0.02	1 hr at 150°C
LOCTITE® ABLESTIK ICP 9000	0.2	0.02	2 hrs at 120 plus 2 hrs at 200°C
LOCTITE® ABLESTIK CE3103WLV	0.14	0.02	3 mins at 150°C
LOCTITE® ABLESTIK 84-1LMISR4	0.36	0.01	1 hr at 175°C
LOCTITE® ABLESTIK 71-1	0.25	0	0.5 hr at 150 C plus 0.5 hr at 275°C
LOCTITE® ABLESTIK 84-1LMIS	0.26	0.01	1 hr at 150°C
LOCTITE® ABLESTIK 56C/9	0.1	0.01	45 mins at 77°C
LOCTITE® ABLESTIK 56C/11	0.31	0.01	3 hrs at 100°C
LOCTITE® ABLESTIK JM7000	0.15	0.01	0.5 hr at 150°C
LOCTITE® ABLESTIK XCP3302NS	0.18	0.01	2 hrs at 170°C
LOCTITE® ABLESTIK ICP3535M2	0.26	0.03	1 hr at 150°C
LOCTITE® ABLESTIK ABP8064T	0.25	0.05	1 hr at 180°C
LOCTITE® ABLESTIK 8175	0.18	0.01	2 hrs at 120°C
<b>ENCAPSULANTS</b>			
LOCTITE® STYCAST 2762FT/17	0.2	0.03	3 hrs at 121°C
LOCTITE® STYCAST 2850FT/9	0.5	0.01	24 hrs at 25°C
LOCTITE® STYCAST 1090/9	0.46	0.06	30 D at 25°C
LOCTITE® STYCAST 1090/11	0.49	0.06	24 hrs at 100°C
LOCTITE® STYCAST 1090SI/24LV	0.74	0.09	16 hrs at 25°C
LOCTITE® STYCAST 2651/11	0.65	0.06	3 hrs at 100°C
LOCTITE® STYCAST 2651/23LV	0.66	0.03	24 hrs at 25 C
LOCTITE® STYCAST 2651-40/9	0.31	0.03	16 hrs at 25°C
LOCTITE® STYCAST 2651-40/11	0.43	0.01	4 hrs at 80°C
LOCTITE® STYCAST 2651MM/9	0.35	0	3 D at 25°C
LOCTITE® STYCAST 2850FT/11	0.36	0	1 hr at 120°C
LOCTITE® STYCAST 2850FT/23LV	0.58	0.03	24 hrs at 25°C
LOCTITE® STYCAST 2850FT/24LV	0.45	0	24 hrs at 25°C
<b>CONFORMAL COATING</b>			
LOCTITE® STYCAST PC40-UMF	0.87	0.01	UV cure followed by 7 D at 25°C
<b>ELECTRICALLY CONDUCTIVE FILM</b>			
LOCTITE® ABLESTIK ECF561E	0.38	0.07	2 hrs at 120°C
LOCTITE® ABLESTIK CF 3350	0.16	0.03	0.5 hr at 150°C
LOCTITE® ABLESTIK CF 3366	0.39	0.05	1 hr at 150°C
LOCTITE® ABLESTIK ECF 561	0.28	0.1	0.5 hr at 150°C
LOCTITE® ABLESTIK 5025E	0.3	0.06	1 hr at 150°C
LOCTITE® ABLESTIK ECF550	0.49	0.1	0.5 hr at 150°C
LOCTITE® ABLESTIK ECF568	0.44	0.02	2 hrs at 95°C
LOCTITE® ABLESTIK ECF563	0.21	0.02	0.5 hr at 150°C
LOCTITE® ABLESTIK ECF564A	0.3	0.01	2 hrs at 150°C
LOCTITE® ABLESTIK ECF564AHF	0.3	0.01	2 hrs at 150°C
<b>ELECTRICALLY INSULATED FILMS</b>			
LOCTITE® ABLESTIK 5020K	0.24	0.02	1 hr at 150°C
LOCTITE® ABLESTIK 517	0.07	0.01	3hrs at 75°C
LOCTITE® ABLESTIK 550	0.41	0.01	1 hr at 150°C
LOCTITE® ABLESTIK 555	0.45	0.06	2 hrs at 125°C
LOCTITE® ABLESTIK 550K	0.31	0.04	2 hrs at 125°C
LOCTITE® ABLESTIK 5020	0.74	0.01	1 hr at 150°C
LOCTITE® ABLESTIK 563K	0.44	0.04	0.5 hr at 150°C
LOCTITE® ABLESTIK 568K	0.66	0.07	2 hrs at 95°C
LOCTITE® ABLESTIK 563KN-02-012	0.52	0.05	1 hr at 150°C
LOCTITE® ABLESTIK TBP 800	0.43	0.01	N/A

PRODUCT	TML %	CVCM %	TESTING CURE SCHEDULE
<b>UNDERFILL</b>			
LOCTITE® ECCOBOND FP4545FC	0.23	0.01	1 hr at 165°C
LOCTITE® ECCOBOND UF 1173	0.43	0.02	5 mins at 150°C
LOCTITE® ECCOBOND UF3811	0.45	0.04	1 hr at 100°C
LOCTITE® ECCOBOND FP4531	0.2	0.03	7 mins at 160°C
LOCTITE® ECCOBOND 3128	0.4	0.01	20 mins at 80°C
<b>NON ELECTRICALLY CONDUCTIVE PASTES</b>			
LOCTITE® ABLESTIK 281	0.46	0.01	0.5 hr at 150°C
LOCTITE® ABLESTIK 642-1	0.71	0	2 hrs at 75°C
LOCTITE® ABLESTIK 84-3	0.42	0.02	2 hrs at 125°C
LOCTITE® ABLESTIK 2151	0.49	0.07	4 hrs at 65°C
LOCTITE® ABLESTIK 789-3	0.46	0	4 hrs at 100°C
LOCTITE® ABLESTIK 789-4	0.44	0.01	1 hr at 125°C
LOCTITE® ABLESTIK 8700K	0.59	0	2 hrs at 121°C
LOCTITE® ABLESTIK 104	0.52	0.08	6 hrs at 120°C
LOCTITE® ABLESTIK 285/11	0.28	0.01	8 hrs at 82°C
LOCTITE® ABLESTIK 285/23LV	0.93	0.02	7 D at 25°C
LOCTITE® ABLESTIK 285/9	0.29	0	7 D at 25°C
BERGQUIST® LIQUI BOND TLB SA3500	0.41	0.06	N/A
BERGQUIST® LIQUI BOND TLB EA1800	0.58	0.01	25C, 24 hours
<b>THERMAL INTERFACE MATERIALS - GAP FILLER</b>			
BERGQUIST® GAP FILLER TGF 1400SL	0.08	0.03	N/A
BERGQUIST® GAP FILLER TGF 1500	0.41	0.05	N/A
BERGQUIST® GAP FILLER TGF 1500LVO	0.08	0.01	N/A
BERGQUIST® GAP FILLER TGF 3600	0.84	0.05	N/A
BERGQUIST® GAP FILLER TGF 3500LVO	0.04	0.02	N/A
BERGQUIST® GAP FILLER TGF 4000	0.27	0.07	N/A
LOCTITE® TGE 6000	0.07	0.02	N/A
BERGQUIST® LIQUI FORM TLF LF3500	0.21	0.05	N/A
BERGQUIST® LIQUI FORM TLF 3500CGEL	0.07	0.02	N/A
BERGQUIST® LIQUI FORM TLF 3800LVO	0.05	0.02	N/A
BERGQUIST® LIQUI FORM TLF 5800LVO	0.04	0.01	N/A
BERGQUIST® LIQUI FORM TLF 6000HG	0.16	0.03	N/A
<b>THERMAL INTERFACE MATERIALS - GAP PAD</b>			
BERGQUIST® GAP PAD TGP 1000HD	0.37	0.1	N/A
BERGQUIST® GAP PAD TGP 3000	0.65	0.03	N/A
BERGQUIST® GAP PAD TGP 5000	0.85	0.1	N/A
BERGQUIST® GAP PAD TGP HC3000	0.11	0.04	N/A
BERGQUIST® GAP PAD TGP HCS000	0.05	0.01	N/A
BERGQUIST® GAP PAD TGP 1000VOUS	0.13	0.02	24hr/200C/Air
BERGQUIST® GAP PAD TGP 1200OULM	0.27	0.07	N/A
BERGQUIST® GAP PAD TGP 3500ULM	0.07	0.02	N/A
BERGQUIST® GAP PAD TGP 3500ULMG	0.07	0.02	N/A
BERGQUIST® GAP PAD TGP 6000ULM	0.04	0.01	N/A
BERGQUIST® GAP PAD TGP 7000ULM	0.03	0.03	N/A
BERGQUIST® GAP PAD TGP 1000OULM	0.1	0.05	N/A
BERGQUIST® GAP PAD TGP 3004SF	0.14	0.01	N/A
BERGQUIST® GAP PAD TGP EM1000	0.22	0.06	N/A
<b>THERMAL INTERFACE MATERIALS - SIL PAD</b>			
BERGQUIST® SIL PAD TSP K1300	0.36	0.09	10min/145C/Air
BERGQUIST® SIL PAD TSP 1600S	0.25	0.08	N/A
BERGQUIST® SIL PAD TSP 1800	0.18	0.05	N/A
BERGQUIST® SIL PAD TSP 1800ST	0.23	0.05	N/A
BERGQUIST® SIL PAD TSP A2000	0.2	0.04	N/A
BERGQUIST® SIL PAD TSP 3500	0.07	0.03	24hr/175C/Air
BERGQUIST® SIL PAD TSP A3000	0.38	0.03	N/A
BERGQUIST® SIL PAD TSP Q2500	0.06	0.02	24hr/175C/Air



# LOCTITE®

# BERGQUIST



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### MIL STD 883 Method 5011 Approved Products

PRODUCT
<b>ELECTRICALLY CONDUCTIVE PASTES</b>
LOCTITE® ABLESTIK 8175A
LOCTITE® ABLESTIK 84-1LMI
LOCTITE® ABLESTIK 85-1
LOCTITE® ABLESTIK 84-1LMIT
LOCTITE® ABLESTIK 8700E
LOCTITE® ABLESTIK 958-7
LOCTITE® ABLESTIK QMI 529HT-LV
LOCTITE® ABLESTIK 84-1LMINB
LOCTITE® ABLESTIK 84-1LMIT1
LOCTITE® ABLESTIK 84-1LMINB1
LOCTITE® ABLESTIK 8175
LOCTITE® ABLESTIK 8360
<b>ENCAPSULANTS</b>
LOCTITE® STYCAST 2651/11 (MIL-I-16923)
<b>CONFORMAL COATING</b>
LOCTITE® STYCAST PC-20M (MIL-I-46058C)

PRODUCT
<b>ELECTRICALLY CONDUCTIVE FILM</b>
LOCTITE® ABLESTIK 5025E
LOCTITE® ABLESTIK CF3350
LOCTITE® ABLESTIK ECF571
LOCTITE® ABLESTIK ECF564A
LOCTITE® ABLESTIK ECF564AHF
<b>ELECTRICALLY INSULATED FILMS</b>
LOCTITE® ABLESTIK 5020K
LOCTITE® ABLESTIK 564A
LOCTITE® ABLESTIK 564AK
LOCTITE® ABLESTIK 570
LOCTITE® ABLESTIK 570K
LOCTITE® ABLESTIK 5020

PRODUCT
<b>NON CONDUCTIVE PASTES</b>
LOCTITE® ABLESTIK 84-3
LOCTITE® ABLESTIK 968-4
LOCTITE® ABLESTIK 84-3MV
LOCTITE® ABLESTIK 8700K
LOCTITE® ABLESTIK 968-2

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