

	SPECIFICATION	ACRYLIC				URETHANE				SYNTHETIC RUBBER			UV CURE						
	Product	1B18	1B66	1B73	AVR80BA	1A20R	1A27	1A33	1A33LOF	1B51 NSLU	1B58LU	1B59LU	UV500-2	UV40	UV50LV	UV550	UV80LED	UV526	UV836
QUALIFICATIONS	MIL-I-46058C	-	-	✓	✓	✓	-	✓	-	-	-	-	-	✓	-	-	-	-	✓
	IPC CC-830C	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓	RevA	✓	RevA	RevA	RevA	✓	✓
	UL746E	-	-	✓	-	-	✓	✓	✓	-	-	-	-	✓	✓	-	✓	-	✓
	UL94	-	-	V0	V0	-	V0	V0	V0	V0	V0	V0	V1	V0	V0	-	V0	V0	V0
LIQUID PROPERTIES	Available as an Aerosol	✓	✓	✓	✓	-	✓	✓	-	-	-	-	-	-	-	-	-	-	✓
	Solids Contents (%w/w)	30	35	29.5	30	50	50	44	44	22	20	18.5	98	95	95	95	98	>97%	>98%
	Max. Viscosity (cPs)	270	200	270	270	130	4,000	200	260	215	270	280	600	800	120	900	100	100	100
	Flash Point (°C (°F))	-1 (30)	-1 (30)	-1 (30)	25	28 (83)	27 (81)	-1 (30)	22	4 (39)	-4 (23)	-4 (23)	>100	80 (176)	>97 (206)	>100	>100	>100	>100
	VOC (g/L)	654	592	661	650	511	480	531	488	632	628	648	0	35	0	<1	<20	0	<20
	Tack-Free Time (min)	30	10	30	15	60	30	15	30	10	10	10	0.5	0.5	0.5	10	0.5	0.5	0.5
	Cure Schedule (22°C)	24 hr	24 hr	24 hr	24 hr	24 hrs	30 days	30 days	30 days	24 hr	24 hr	24 hr	UV	UV	UV	UV or LED	UV or LED	UV	UV or LED
	Optimum Properties	1 week	1 week	1 week	1 week	1 week	1 month	1 month	1 month	24 hr	24 hr	24 hr	1 week	72 hrs	1 week	1 week	1 week	1 week	1 week
	Shelf Life at Room Temperature (22°C) (months)	24	24	24	18	12	24	24	24	18	18	12	9	12	12	12	12	12	12
	Coverage m2/Liter (25 microns thickness)	12	14	12	40	20	20	18	18	8	8	8	40	40	40	40	40	40	40
PHYSICAL PROPERTIES	Continuous Use Operating Range (°C)	-65 to 125	-65 to 125	-65 to 125	-65 to 150	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 150	-65 to 150	-65 to 125	-65 to 125	-65 to 125	-65 to 150	-50 to 150	-65 to 150
	Thermal Shock (°C)	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 125	-65 to 145	-65 to 150	-65 to 125	-65 to 125	-65 to 125	-40 to 125	-65 to 125	-40 to 90
	Glass Transition Temperature (Tg) (°C)	67	14	42	29	71	28	54	26	14	-50	-50	-43	45	-1	-40	45	50	35
	CTE Below Tg (ppm/°C)	138	175	67	130	193	170	92	119	195	217	18	137	85	122	-	66	66	66
	CTE Above Tg (ppm/°C)	-	345	-	280	532	229	851	225	330	446	130	311	197	264	-	193	526	193
ELECTRICAL PROPERTIES	Dielectric Constant (1MHz @ 22°C)	2.6	2.5	2.6	-	3.5	3.6	3.6	3.6	2.5	1.9	1.9	3.07	2.5	-	5.48	-	-	-
	Dissipation Factor (1MHz @ 22°C)	0.01	0.01	0.01	0.01	0.03	0.02	0.03	0.03	0.07	0.006	0.004	0.03	0.01	-	0.07	0.01	0.01	0.01
	Dielectric Withstand Voltage V (1 minute)	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500	>1500
	Insulation Resistance per MIL-I-46058C (Ω)	5.5 x 10 ¹⁴	8.0 x 10 ¹⁴	5.5 x 10 ¹⁴	1.0 x 10 ¹²	3.0 x 10 ¹⁴	2.0 x 10 ¹⁴	2.0 x 10 ¹⁴	2.0 x 10 ¹⁴	2.0 x 10 ¹⁴	5.0 x 10 ¹⁴	1.8 x 10 ¹⁰	9.0 x 10 ¹⁰	8.0 x 10 ¹⁴	3.0 x 10 ⁹	1.0 x 10 ¹¹	3.0 x 10 ¹⁰	1.0 x 10 ¹²	3.6 x 10 ¹⁰
	Moisture Insulation Resistance per MIL-I-46058C (Ω)	7.0 x 10 ¹⁰	6.0 x 10 ¹⁰	7.0 x 10 ¹⁰	Pass	4.8 x 10 ¹⁰	1.2 x 10 ¹⁰	1.6 x 10 ¹⁰	1.6 x 10 ¹²	1.0 x 10 ¹⁰	7.5 x 10 ¹³	5.1 x 10 ¹⁴	-	4.7 x 10 ¹⁰	-	-	Pass	Pass	Pass
	Resistance to Chemicals and Solvents*	●○○○○	●○○○○	●○○○○	●○○○○	●●●●●	●●●●○	●●●●○	●●●●○	●●○○○	●●○○○	●●○○○	●●○○○	●●○○○	●●●●●	●●●●●	●●●○○	●●●●●	●●●○○
THINSTRIP	Recommended Thinner	521(EU), 73	503, 521 (EU)	521(EU), 73	DVA BR	521 (EU)	521 (EU)	503, 521, 521EU	503, 521, 521EU	903,905	903,905	903,905	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Recommended Stripper	1080 (EU)	1080 (EU)	1080 (EU)	SND	1072	1063	1063	1063	1080 (EU)	1080 (EU)	1080 (EU)	1072, Mech	1100, Mech	1100	1072, Mech	1100, Mech	DVP	DVP

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